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FILE 'CAPLUS' ENTERED AT 14:19:40 ON 27 MAY 2003

FILE COVERS 1907 - 27 May 2003 VOL 138 ISS 22
FILE LAST UPDATED: 26 May 2003 (20030526/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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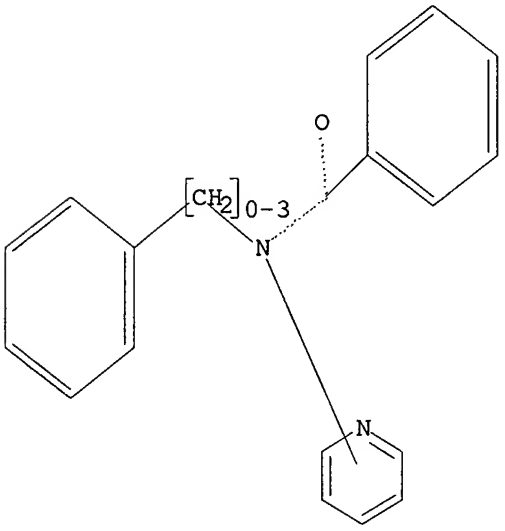
L1 STR



Structure attributes must be viewed using STN Express query preparation.
L3 254 SEA FILE=REGISTRY SSS FUL L1
L4 46 SEA FILE=CAPLUS L3

=> d l4 1-46 ibib abs hitstr

L4 ANSWER 1 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:965163 CAPLUS
DOCUMENT NUMBER: 138:39539
TITLE: Preparation of amino acid derivatives as inhibitors of protein isoprenyl transferases
INVENTOR(S): Sebti, Said M.; Hamilton, Andrew D.; Augeri, David J.; Barr, Kenneth J.; Donner, Greg B.; Fakhoury, Stephen

A.; O'Connor, Stephen J.; Rosenberg, Saul H.; Shen, Wang; Szczepankiewicz, Bruce G.; Gunawardana, Indrani W.

PATENT ASSIGNEE(S): University of Pittsburgh, USA
SOURCE: U.S. Pat. Appl. Publ., 499 pp., Cont.-in-part of U.S. Ser. No. 852,858, abandoned.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 8
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002193596	A1	20021219	US 2001-984411	20011030

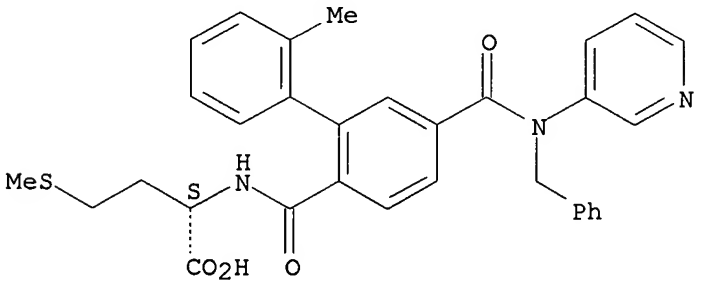
PRIORITY APPLN. INFO.: US 1995-7247P P 19951106
US 1996-740909 B2 19961105
US 1997-852858 B2 19970507
OTHER SOURCE(S): MARPAT 138:39539

AB Compds. R3-Z-L1-aryl [aryl is a benzene ring having certain substituents R1, R2, R4; L1 is L4-NR5-L5, L4-O-L5, L4-S(O)m-L5, etc., where L4 and L5 are absent or alk(en)ylene, R5 is H, alkanoyl, alkoxy, alkoxyalkyl, etc.; m = 0-2; Z is a covalent bond, O, S(O)m, an imino group; R3 = (un)substituted pyridyl or imidazolyl; or L1, Z, and R3 together are aminoalkyl, haloalkyl, halo, carboxaldehyde, (carboxaldehyde)alkyl, or hydroxyalkyl (R1 .noteq. H) or L1, Z, R3, and R4 together are an (un)substituted pyrrolidinone ring] were prepd. as inhibitors of protein isoprenyl transferases. Thus, N-[4-(3-pyridylcarbonylamino)-2-phenylbenzoyl]methionine hydrochloride, prepd. via amidation reaction, showed 93% inhibition of farnesyl transferase at 1x10-5 M.

IT **478908-07-5P 478908-22-4P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of amino acid derivs. as inhibitors of protein isoprenyl transferases)

RN 478908-07-5 CAPLUS
CN L-Methionine, N-[[2'-methyl-5-[[(phenylmethyl)-3-pyridinylamino]carbonyl][1,1'-biphenyl]-2-yl]carbonyl]-, monolithium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

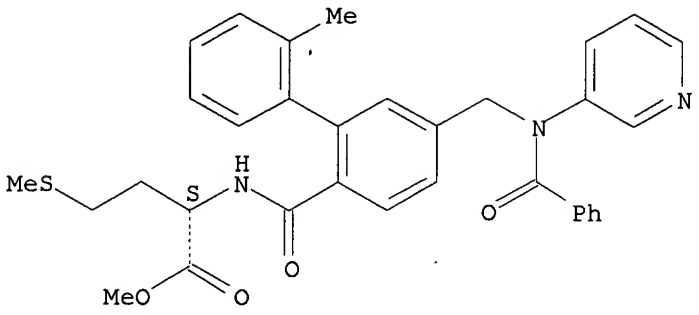


Li

RN 478908-22-4 CAPLUS
CN L-Methionine, N-[[5-[(benzoyl-3-pyridinylamino)methyl]-2'-methyl[1,1'-

biphenyl]-2-yl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

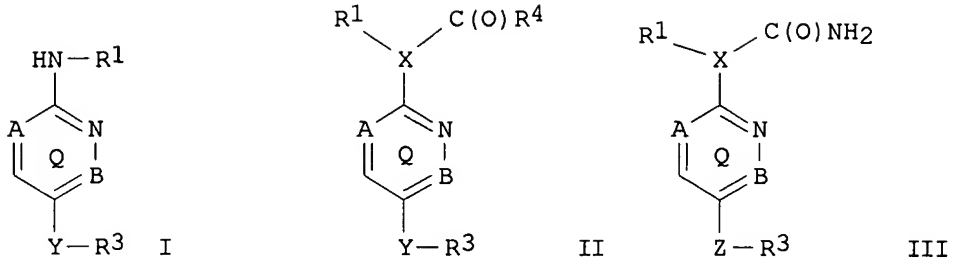
Absolute stereochemistry.



L4 ANSWER 2 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:888558 CAPLUS
DOCUMENT NUMBER: 137:384852
TITLE: Preparation of 2,5-disubstituted pyridine, pyrimidine, pyridazine and 1,2,4-triazine derivatives for use as p38 inhibitors
INVENTOR(S): Green, Jeremy; Harbeson, Scott L.; Cochran, John E.
PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA
SOURCE: PCT Int. Appl., 78 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002092087	A1	20021121	WO 2002-US17673	20020510
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003096817	A1	20030522	US 2002-144153	20020510

PRIORITY APPLN. INFO.: US 2001-290504P P 20010511
OTHER SOURCE(S): MARPAT 137:384852
GI



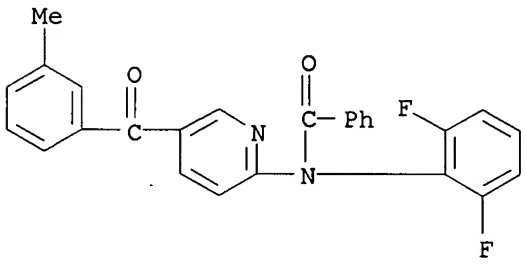
I II III

AB The present invention relates to 2,5-disubstituted pyridine, pyrimidine, pyridazine and 1,2,4-triazine derivs. (shown as I, II, and III; e.g. [6-(2,6-difluorophenylamino)pyridin-3-yl]phenylmethanone) as inhibitors of p38, a mammalian protein kinase involved in cell proliferation, cell death and response to extracellular stimuli. The invention also relates to methods for producing these inhibitors. The invention also provides pharmaceutical compns. comprising the inhibitors of the invention and methods of using those compns. in the treatment and prevention of various disorders. In I, II, and III: A is N or CR; B is N or CR; X is N or CH; Y is C(O), CHOH, CH2, S, S(O), S(O)2, NH, NR, O or Z; Z is CHOH, -[(C2-C3)-alkyl]-, -S-[(C1-C3)-alkyl]-, -O-[(C1-C3)-alkyl]-, -NH-[(C1-C3)-alkyl]-, -[(C2-C3)-alkenyl]-, -[(C2-C3)-alkynyl]-, -O[(C2-C3)-alkenyl]-, -O[(C2-C3)-alkynyl]-, -S-[(C2-C3)-alkenyl]-, -S[(C2-C3)-alkynyl]-, -NH-[(C2-C3)-alkenyl]-, -NH-[(C2-C3)-alkynyl]-, -[(C1-C3)-alkyl]-S-, -[(C1-C3)-alkyl]-O-, -[(C1-C3)-alkyl]-NH-, -[(C2-C3)-alkenyl]-O-, -[(C2-C3)-alkynyl]-O-, -[(C2-C3)-alkenyl]-S-, -[(C2-C3)-alkynyl]-S-, -[(C2-C3)-alkenyl]-NH- or -[(C2-C3)-alkynyl]-NH-; the C atoms of Q may be optionally substituted with R. R1 = aryl, heteroaryl, carbocyclyl, heterocyclyl or C1-10 aliph., any of which may be optionally substituted; R3 = aryl, heteroaryl, carbocyclyl, heterocyclyl, or C1-10 aliph., any of which may be optionally substituted; R4 = NHR5, N(R5)2, OR5, C(O)OR5, -C(O)R5 or R6; each R5 = aryl, heteroaryl, carbocyclyl, heterocyclyl or C1-5 aliph.; R6 = aryl, heteroaryl, carbocyclyl, heterocyclyl or C1-5 aliph., any of which may be optionally substituted; each R = H, halo or a straight or branched chain C1-C4 alkyl; each of R1, R5 and R6 = optionally substituted with up to 4 substituents, each of which = halo; C1-C3 alkyl optionally substituted with NR'2, OR', CO2R' or CONR'2; O-(C1-C3)-alkyl optionally substituted with NR'2, OR', CO2R' or CONR'2; NR'2; OCF3; CF3; NO2; CO2R'; CONR'; SR'; COR'; SO2NR'2; SCF3; CN; NR'C(O)R'; NR'C(O)OR'; NR'C(O)C(O)R'; NR'SO2R'; OR'; OC(O)R'; OPO3H2; or N:CNR'2. R3 is optionally substituted with up to 4 substituents, each of which = halo; C1-C3 straight or branched alkyl optionally substituted with NR'2, OR', CO2R', SO2NR'2, N:CNR'2, R', or CONR'2; O-(C1-C3)-alkyl optionally substituted with NR'2, OR', CO2R', SO2NR'2, N:CNR'2, R', or CONR'2; NR'2; OCF3; CF3; NO2; CONR'2; R'; OR'; SR'; COR'; C(O)OR'; SO2NR'2; SCF3; N:CNR'2; or CN; R' = H; (C2-C3)-alkyl; (C2-C3)-alkenyl or alkynyl; a 5-8 membered aryl ring system, a 5-8 membered heteroaryl ring system or a 5-6 membered heterocyclic ring system, any of which may be independently and optionally substituted with 1 to 3 substituents = halo, methoxy, cyano, nitro, amino, hydroxy, Me or Et; provisos are given in the claims. Although the methods of prepn. are not claimed, .apprx.8 example prepns. are included. IC50 or Ki values in .mu.M ranges are given for inhibition of ATPase activity of p38 for 62 claimed compds.; for example, [6-(2,6-difluorophenylamino)pyridin-3-yl]phenylmethanone exhibits IC50 .ltoreq.1 .mu.M.

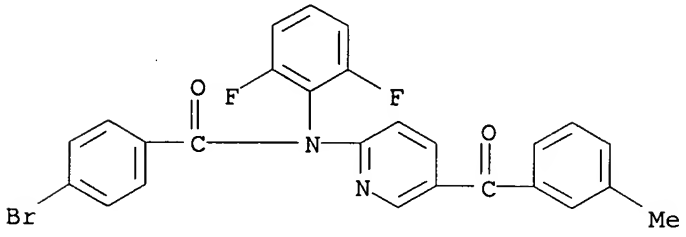
IT **475634-61-8P**, N-Benzoyl-N-(2,6-difluorophenyl)-5-(3-methylbenzoyl)pyridin-2-amine **475634-66-3P**, N-(4-Bromobenzoyl)-N-(2,6-difluorophenyl)-5-(3-methylbenzoyl)pyridin-2-amine

475634-70-9P, N-(4-Fluoro-3-(trifluoromethyl)benzoyl)-N-(2,6-difluorophenyl)-5-(3-methylbenzoyl)pyridin-2-amine **475634-71-0P**, N-(3-(Trifluoromethyl)benzoyl)-N-(2,6-difluorophenyl)-5-(3-methylbenzoyl)pyridin-2-amine **475634-75-4P**, N-(4-Bromobenzoyl)-N-(2,6-difluorophenyl)-5-(4-chloro-3-methylbenzoyl)pyridin-2-amine **475634-80-1P**, N-(4-Bromobenzoyl)-N-(2,6-difluorophenyl)-5-((3-(1H-pyrrol-1-yl)-2-thienyl)carbonyl)pyridin-2-amine **475634-83-4P**, N-(3-(Trifluoromethyl)benzoyl)-N-(2,6-difluorophenyl)-5-((3-(1H-pyrrol-1-yl)-2-thienyl)carbonyl)pyridin-2-amine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of 2,5-disubstituted pyridine, pyrimidine, pyridazine and 1,2,4-triazine derivs. for use as p38 inhibitors)

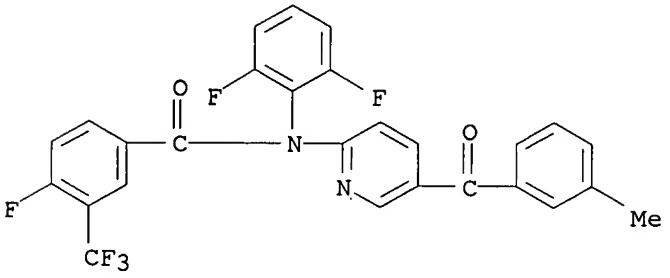
RN 475634-61-8 CAPLUS
CN Benzamide, N-(2,6-difluorophenyl)-N-[5-(3-methylbenzoyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



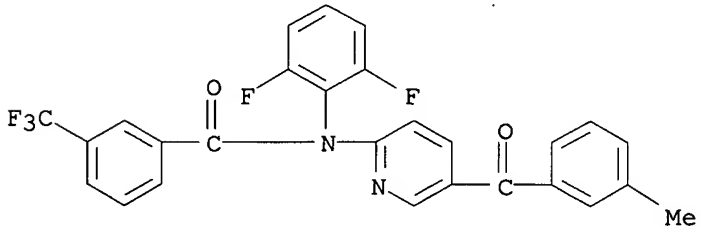
RN 475634-66-3 CAPLUS
CN Benzamide, 4-bromo-N-(2,6-difluorophenyl)-N-[5-(3-methylbenzoyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



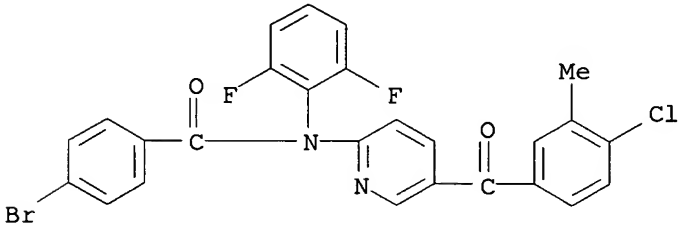
RN 475634-70-9 CAPLUS
CN Benzamide, N-(2,6-difluorophenyl)-4-fluoro-N-[5-(3-methylbenzoyl)-2-pyridinyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



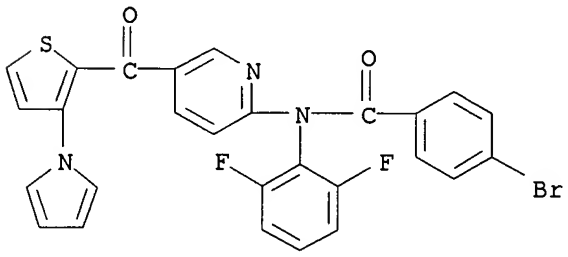
RN 475634-71-0 CAPLUS
CN Benzamide, N-(2,6-difluorophenyl)-N-[5-(3-methylbenzoyl)-2-pyridinyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



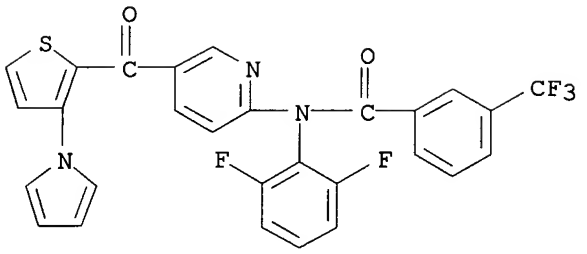
RN 475634-75-4 CAPLUS
CN Benzamide, 4-bromo-N-[5-(4-chloro-3-methylbenzoyl)-2-pyridinyl]-N-(2,6-difluorophenyl)- (9CI) (CA INDEX NAME)



RN 475634-80-1 CAPLUS
CN Benzamide, 4-bromo-N-(2,6-difluorophenyl)-N-[5-[[3-(1H-pyrrol-1-yl)-2-thienyl]carbonyl]-2-pyridinyl]- (9CI) (CA INDEX NAME)



RN 475634-83-4 CAPLUS
CN Benzamide, N-(2,6-difluorophenyl)-N-[5-[[3-(1H-pyrrol-1-yl)-2-thienyl]carbonyl]-2-pyridinyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:814891 CAPLUS
DOCUMENT NUMBER: 137:325335
TITLE: Preparation of (hetero)arylamides as inhibitors of microsomal triglyceride transfer protein
INVENTOR(S): Booth, Richard John; Lee, Helen Tsenwhei; Pontrello, Jason Keith; Ramharack, Randy Ranjee; Roth, Bruce David
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U.S. Ser. No. 422,568.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002156281	A1	20021024	US 2001-21633	20011212

PRIORITY APPLN. INFO.: US 1998-107119P P 19981105
US 1999-422568 B2 19991021

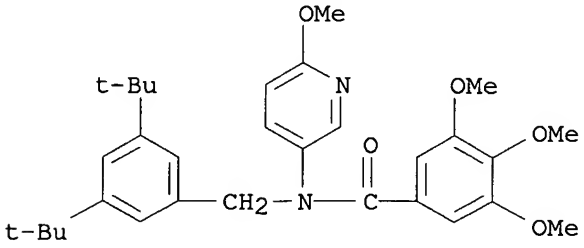
OTHER SOURCE(S): MARPAT 137:325335

AB R3(CH2)nNR1COR2 [I, R1 = (substituted) pyridyl, pyridylmethyl, Ph, quinolyl, benzothienyl, etc.; R2 = Ph, PhCH2OC6H4, PhCH2SC6H4, PhCH2SOC6H4, naphthylmethyl, benzodioxanyl, benzothienyl, amino, aminoalkyl, etc.; R3 = biphenyl, benzothienyl, tetramethyltetralinyl, naphthalenyl; n = 0-2], were prepd. Thus, reaction of 2-ethoxy-N-pyridin-3-ylbenzamide and 2-phenylbenzyl bromide gave N-biphenyl-2-ylmethyl-2-ethoxy-N-pyridin-3-ylbenzamide. The latter inhibited lipoprotein A3 prodn. with IC50 = 0.9 .mu.M. The present invention also provides pharmaceutical compns. comprising I and methods of treatment of atherosclerosis, obesity, restenosis, coronary heart disease, hyperlipoproteinemia, hypercholesterolemia, and hypertriglyceridemia.

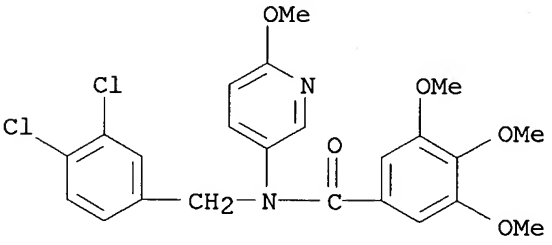
IT **473741-13-8P 473741-14-9P 473741-16-1P**
473741-18-3P 473741-19-4P 473741-21-8P
473741-22-9P 473741-23-0P 473741-24-1P
473741-25-2P 473741-27-4P 473741-28-5P
473741-37-6P 473741-38-7P 473741-41-2P
473741-42-3P 473741-56-9P 473741-57-0P
473741-58-1P 473741-59-2P 473741-60-5P
473741-61-6P 473741-64-9P 473741-65-0P
473741-66-1P 473741-67-2P 473741-68-3P
473741-69-4P 473741-70-7P 473741-71-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(claimed compd.; prepn. of (hetero)arylamides as inhibitors of microsomal triglyceride transfer protein)

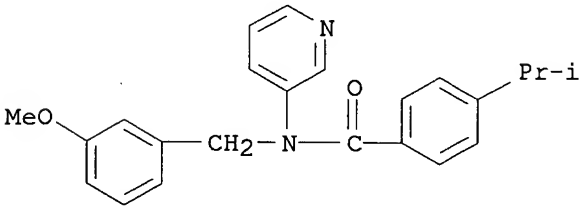
RN 473741-13-8 CAPLUS
CN Benzamide, N-[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-3,4,5-trimethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



RN 473741-14-9 CAPLUS
CN Benzamide, N-[(3,4-dichlorophenyl)methyl]-3,4,5-trimethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



RN 473741-16-1 CAPLUS
CN Benzamide, N-[(3-methoxyphenyl)methyl]-4-(1-methylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-18-3 CAPLUS
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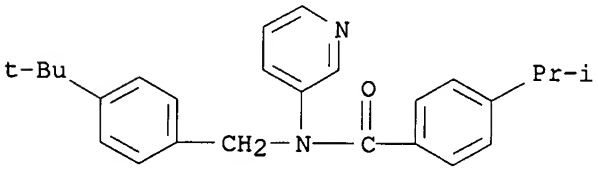
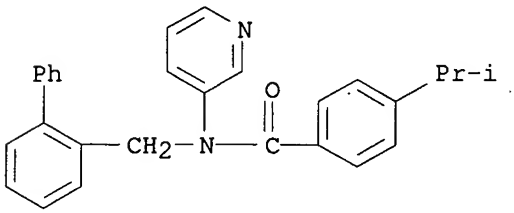
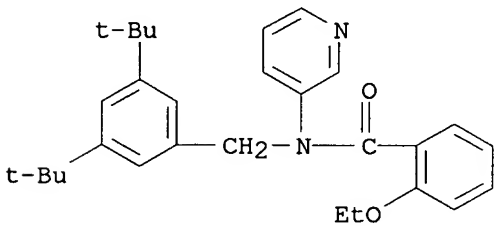


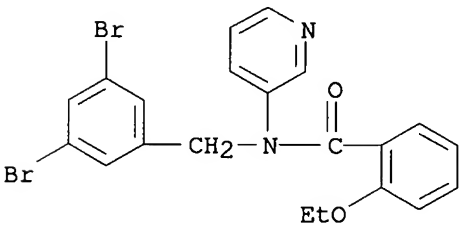
RN 473741-19-4 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-(1-methylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-21-8 CAPLUS
CN Benzamide, N-[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-22-9 CAPLUS
CN Benzamide, N-[(3,5-dibromophenyl)methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-23-0 CAPLUS
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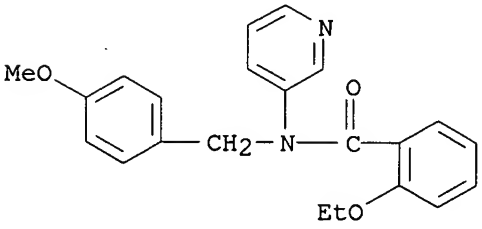

RN 473741-24-1 CAPLUS
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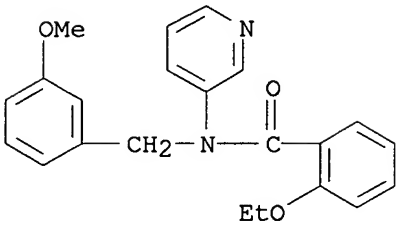
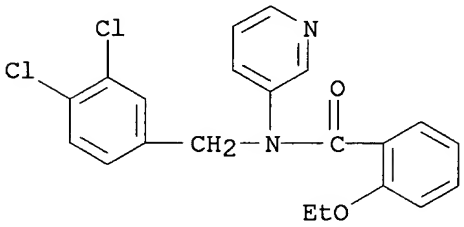
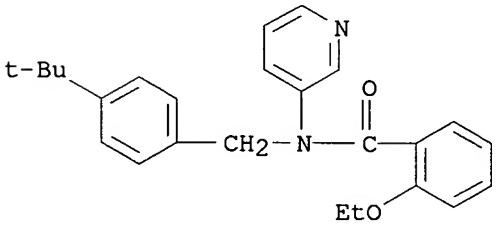
INDEX NAME)



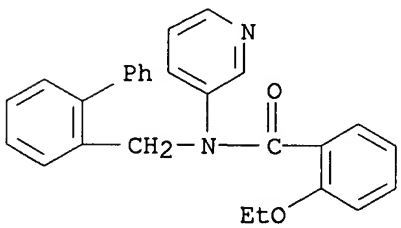
RN 473741-25-2 CAPLUS
CN Benzamide, N-[(3,4-dichlorophenyl)methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



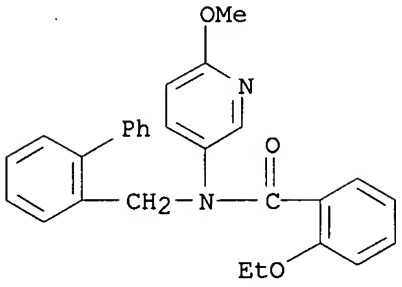
RN 473741-27-4 CAPLUS
CN Benzamide, N-[[4-(1,1-dimethylethyl)phenyl]methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



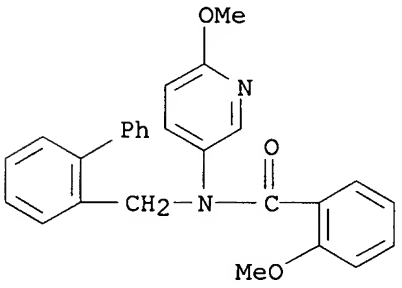
RN 473741-28-5 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



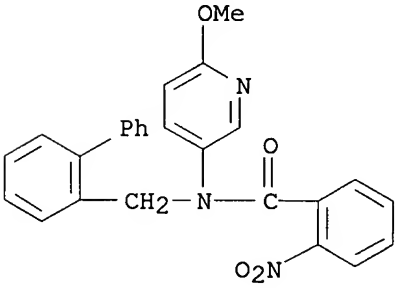
RN 473741-37-6 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



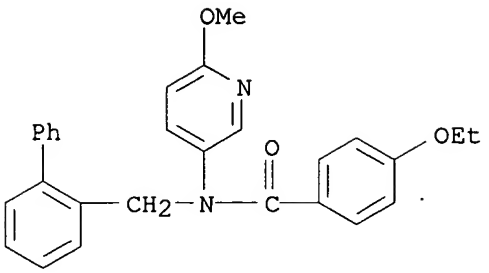
RN 473741-38-7 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-methoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



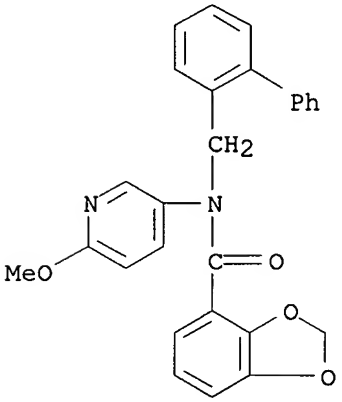
RN 473741-41-2 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-(6-methoxy-3-pyridinyl)-2-nitro- (9CI) (CA INDEX NAME)



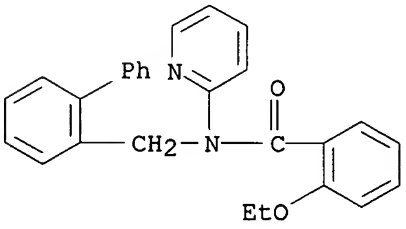
RN 473741-42-3 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-ethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



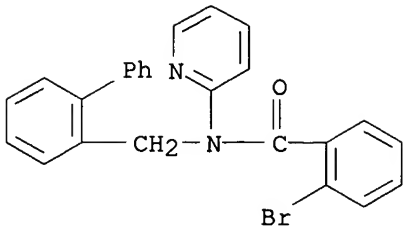
RN 473741-56-9 CAPLUS
CN 1,3-Benzodioxole-4-carboxamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



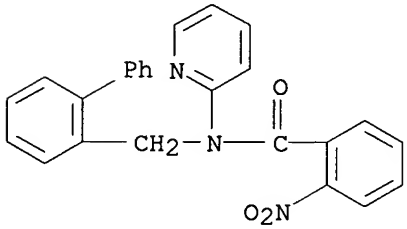
RN 473741-57-0 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-2-pyridinyl- (9CI) (CA INDEX NAME)



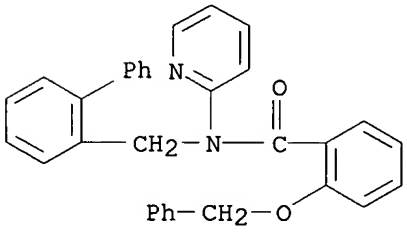
RN 473741-58-1 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-2-pyridinyl- (9CI) (CA INDEX NAME)



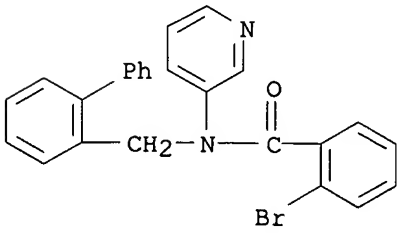
RN 473741-59-2 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-2-pyridinyl- (9CI) (CA INDEX NAME)



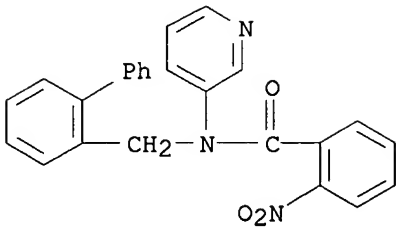
RN 473741-60-5 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-(phenylmethoxy)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



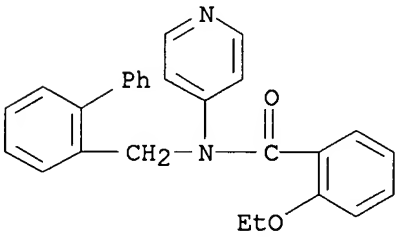
RN 473741-61-6 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-3-pyridinyl- (9CI) (CA INDEX NAME)



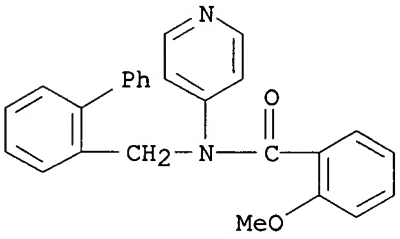
RN 473741-64-9 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-3-pyridinyl- (9CI) (CA INDEX NAME)



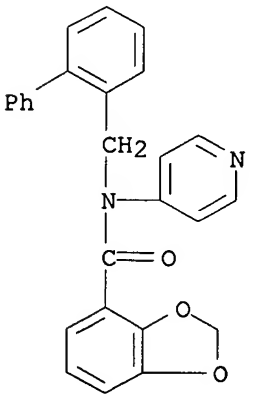
RN 473741-65-0 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



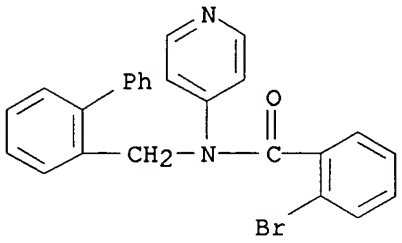
RN 473741-66-1 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-methoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



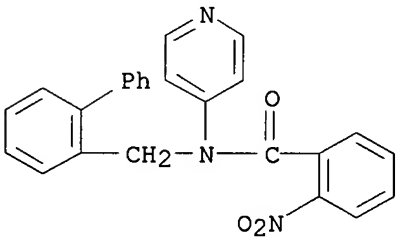
RN 473741-67-2 CAPLUS
CN 1,3-Benzodioxole-4-carboxamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



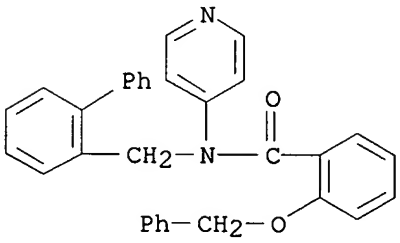
RN 473741-68-3 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-4-pyridinyl- (9CI) (CA INDEX NAME)



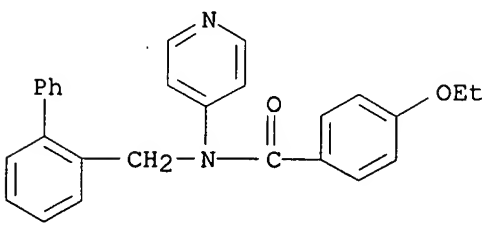
RN 473741-69-4 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-4-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-70-7 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-(phenylmethoxy)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



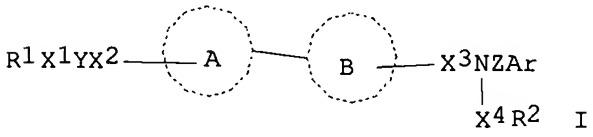
RN 473741-71-8 CAPLUS
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-ethoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 46 CAPLUS COPYRIGHT 2003 ACS ✓
ACCESSION NUMBER: 2002:539647 CAPLUS
DOCUMENT NUMBER: 137:109128
TITLE: Preparation of biaryl compounds for treatment of hyperlipidemia and arteriosclerosis
INVENTOR(S): Kori, Masakuni; Ishikawa, Eiichiro; Nakata, Mikiyo; Kobayashi, Makoto
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 470 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055484	A1	20020718	WO 2002-JP73	20020110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2003055326	A2	20030226	JP 2002-4422	20020111

PRIORITY APPLN. INFO.: JP 2001-5823 A 20010112
JP 2001-174901 A 20010608
OTHER SOURCE(S): MARPAT 137:109128
GI

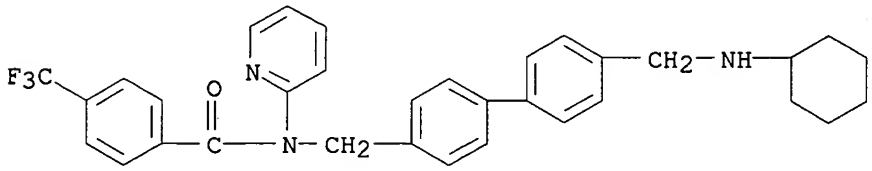


I

AB The title compds. I [rings A and B each represents an optionally substituted five- or six-membered arom. ring; R1 and R2 each represents hydrogen, an optionally substituted hydrocarbon group, or an optionally substituted heterocyclic group; X1, X2, X3, and X4 each represents a bond or an optionally substituted divalent hydrocarbon group; Y represents NR3CO, CONR3, NR3SO2, SO2NR3, NR3CH2 (R3 represents hydrogen, an optionally substituted hydrocarbon group, or an optionally substituted heterocyclic group), etc.; Z represents CONH, CSNH, CO, or SO2; and Ar represents an optionally substituted cyclic hydrocarbon group or an optionally substituted heterocyclic group] are prepd. I increase the amt. of low-d. lipoprotein (LDL) receptors. The LDL receptor gene transcription promoting activities of compds. of this invention were demonstrated. Processes for prepg. I are disclosed.

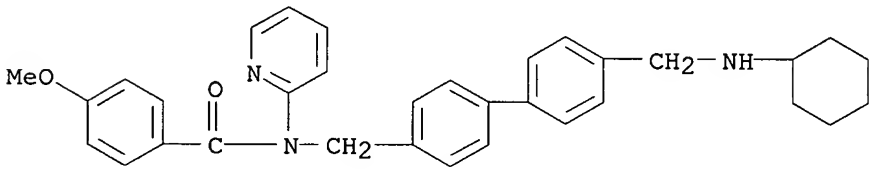
IT **443342-08-3P 443342-09-4P**
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of biaryl compds. for treatment of hyperlipidemia and arteriosclerosis)

RN 443342-08-3 CAPLUS
CN Benzamide, N-[[4'-[(cyclohexylamino)methyl][1,1'-biphenyl]-4-yl]methyl]-N-2-pyridinyl-4-(trifluoromethyl)-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

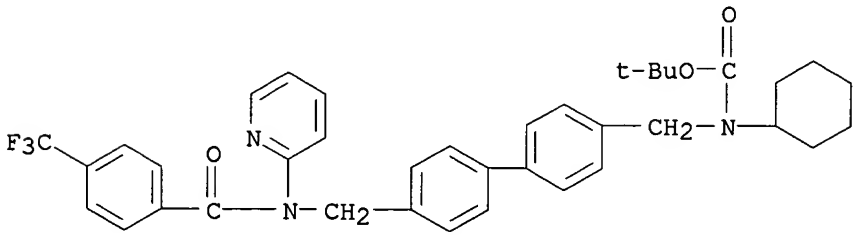
RN 443342-09-4 CAPLUS
CN Benzamide, N-[[4'-[(cyclohexylamino)methyl][1,1'-biphenyl]-4-yl]methyl]-4-methoxy-N-2-pyridinyl-, dihydrochloride (9CI) (CA INDEX NAME)



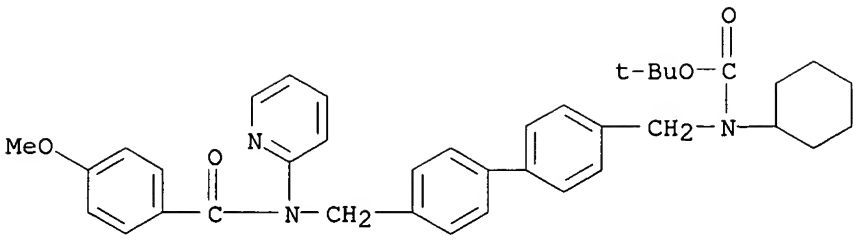
●2 HCl

IT **443345-69-5P 443345-70-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of biaryl compds. for treatment of hyperlipidemia and arteriosclerosis)

RN 443345-69-5 CAPLUS
CN Carbamic acid, cyclohexyl[[4'-[[2-pyridinyl[4-(trifluoromethyl)benzoyl]amino]methyl][1,1'-biphenyl]-4-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 443345-70-8 CAPLUS
CN Carbamic acid, cyclohexyl[[4'-[[(4-methoxybenzoyl)-2-pyridinylamino]methyl][1,1'-biphenyl]-4-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



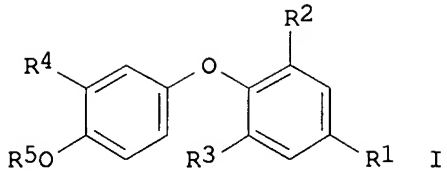
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:122938 CAPLUS
DOCUMENT NUMBER: 136:183619
TITLE: Preparation of diphenyl ether amides, oxamides, and ureas for treatment of arteriosclerosis and hypercholesterolemia.
INVENTOR(S): Haning, Helmut; Pernerstorfer, Josef; Schmidt, Gunter; Woltering, Michael; Bischoff, Hilmar; Voehringer, Verena; Kretschmer, Axel; Faeste, Christiane
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 169 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

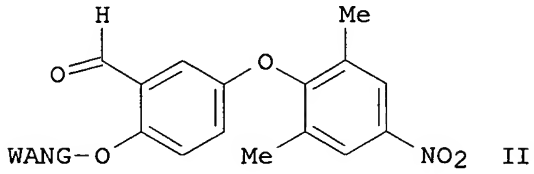
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012169	A1	20020214	WO 2001-EP8477	20010723
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10038007	A1	20020214	DE 2000-10038007	20000804
AU 2001078502	A5	20020218	AU 2001-78502	20010723
EP 1307426	A1	20030507	EP 2001-956554	20010723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003027862	A1	20030206	US 2001-918741	20010731
US 6555580	B2	20030429		

PRIORITY APPLN. INFO.: DE 2000-10038007 A 20000804
WO 2001-EP8477 W 20010723

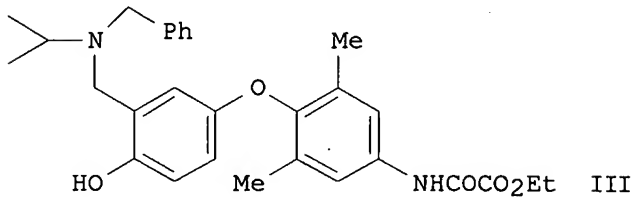
OTHER SOURCE(S): MARPAT 136:183619
GI



I



II



III

AB Title compds. [I; R1 = NO2, amino, acetamido, NHCOCOA, NHCH2COA; A = OH, alkoxy; R2, R3 = halo, alkyl, CF3; R4 = ENR6R7, ENR9COR8, NHCOR10, CONR11R12; E = alkylene; R6, R7 = (substituted) alkyl, aryl, cycloalkyl, heterocyclyl; R6R7N = heterocyclyl; R8 = (substituted) alkyl, cycloalkyl, aryl, biphenyl, alkoxy; R9 = (substituted) alkyl optionally interrupted by O, cycloalkyl, alkenyl, Ph, pyridyl; R8R9 = atoms to form a 4-7 membered heterocyclyl; R10 = (substituted) alkyl, cycloalkyl, aryl, 5-6 membered (arom.), (benzoannellated) heterocyclyl; R11, R12 = H, (substituted) alkyl, cycloalkyl, 5-7 membered heterocyclyl; R11R12N = 5-7 membered (benzoannellated) (substituted) (arom.) heterocyclyl], were prepd. Thus, resin-bound substrate (II) was converted to title compd. (III) in several steps using isopropylamine, benzyl chloride, and ethoxalyl chloride. Tested I showed T3 thyroid hormone receptor promoter activity with EC50 = 2.4-55 nM.

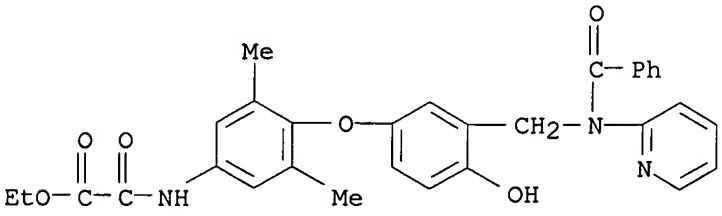
IT **398523-54-1P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of di-Ph ether amides, oxamides, and ureas for treatment of arteriosclerosis and hypercholesterolemia)

RN 398523-54-1 CAPLUS

CN Acetic acid, [[4-[3-[(benzoyl-2-pyridinylamino)methyl]-4-hydroxyphenoxy]-3,5-dimethylphenyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

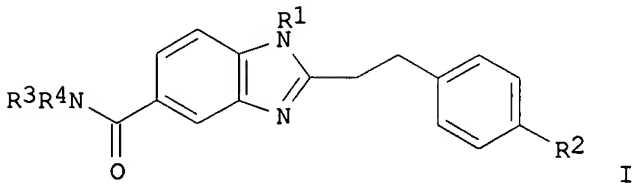
L4 ANSWER 6 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:136768 CAPLUS
DOCUMENT NUMBER: 134:178557
TITLE: Preparation of 2-(amidinophenylethyl)-1-methylbenzimidazole-5-carboxamides as tryptase inhibitors
INVENTOR(S): Anderskewitz, Ralf; Braun, Christine; Briem, Hans; Disse, Bernd; Hoenke, Christoph; Jennewein, Hans Michael; Speck, Georg
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma K.-G., Germany
SOURCE: Ger. Offen., 92 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19939463	A1	20010222	DE 1999-19939463	19990820
US 6512000	B1	20030128	US 2000-634958	20000808
WO 2001014342	A1	20010301	WO 2000-EP8037	20000817
W: AE, AU, BG, BR, CA, CN, CZ, EE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1210335	A1	20020605	EP 2000-951526	20000817
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2003507459	T2	20030225	JP 2001-518431	20000817

PRIORITY APPLN. INFO.: DE 1999-19939463 A 19990820
US 1999-153423P P 19990910
WO 2000-EP8037 W 20000817

OTHER SOURCE(S): MARPAT 134:178557
GI



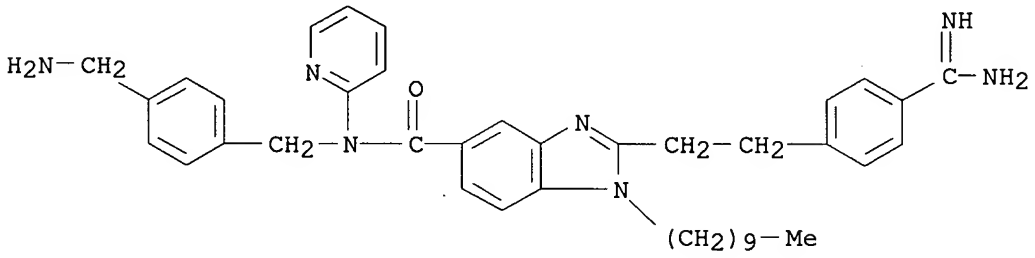
I

AB Use of title compds. [I; R1 = (substituted) alkyl, phenylalkyl, heterocyclyl, heterocyclylalkyl; R2 = C(:NH)NH2, CH2NH2; R3, R4 = H, (substituted) alkyl, phenylalkyl, heterocyclyl, heterocyclylalkyl, cycloalkyl, naphthyl, Ph; R3R4N = (substituted) heterocyclyl], for treatment/prevention of diseases in which tryptase inhibition is of benefit, was claimed. Thus, 2-[2-(4-cyanophenylethyl)]-1-methylbenzimidazol-5-ylcarboxylic acid (prepn. given), N-(4-cyanobenzyl)-N-ethoxycarbonylmethylamine, NMM, and TBTU were stirred together in DMF for 16 h at room temp. to give 2-[2-(4-cyanophenylethyl)]-1-methylbenzimidazol-5-yl-N-(4-cyanobenzyl)-N-(ethoxycarbonylmethyl)amide, which was treated with NH3 to give 89% 2-[2-(4-amidinophenylethyl)]-1-

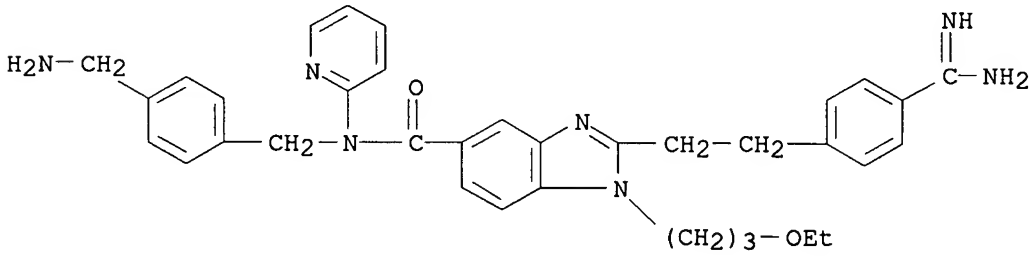
methylbenzimidazol-5-yl-N-(4-amidinobenzyl)-N-(ethoxycarbonylmethyl)amide. I at 10 .mu.M inhibited tryptase by 51-77%. I may be prepd. by solid phase synthesis.

IT **326860-97-3P 326860-98-4P 326860-99-5P**
326861-00-1P 326861-01-2P 326861-02-3P
326861-03-4P 326861-04-5P 326861-05-6P
326861-06-7P 326861-07-8P 326861-08-9P
326861-09-0P 326861-10-3P 326861-11-4P
326861-12-5P 326861-13-6P 326861-14-7P
326861-15-8P 326861-16-9P 326861-17-0P
326861-18-1P 326861-19-2P 326861-20-5P
326861-21-6P 326861-22-7P 326861-23-8P
326861-24-9P 326861-25-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of (amidinophenylethyl)methylbenzimidazolecarboxamides as tryptase inhibitors)

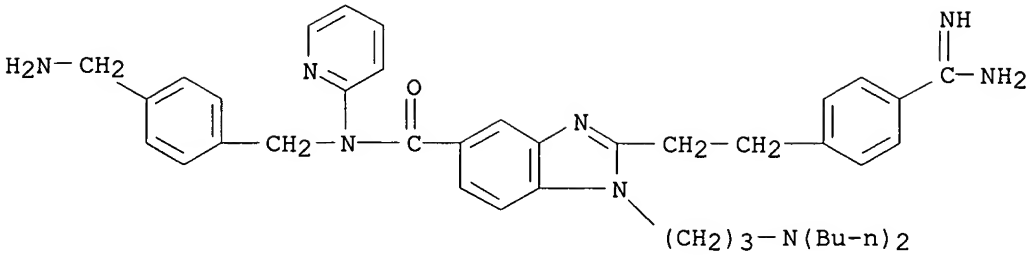
RN 326860-97-3 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-decyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



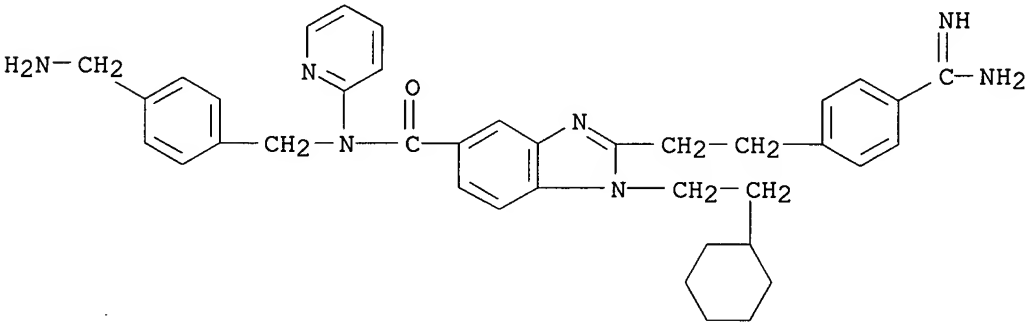
RN 326860-98-4 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(3-ethoxypropyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



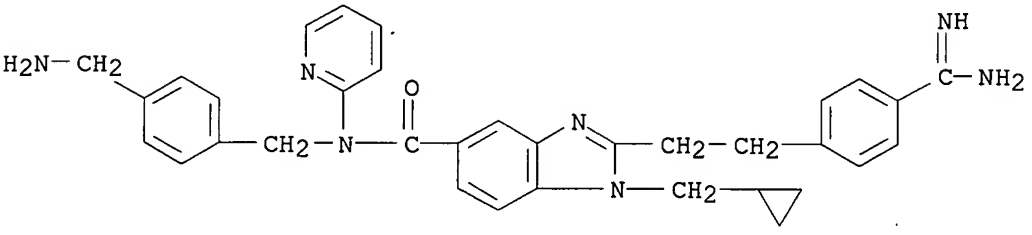
RN 326860-99-5 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(dibutylamino)propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



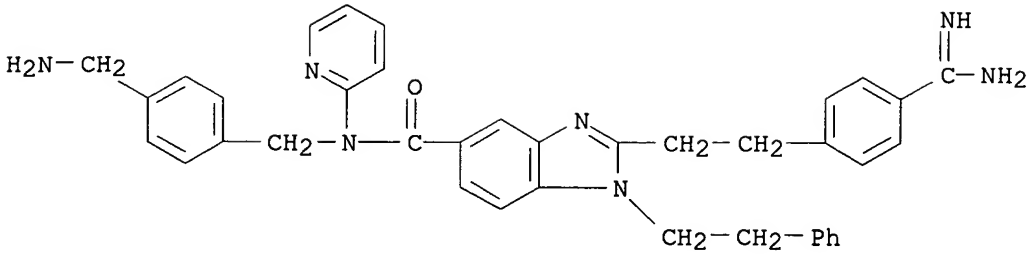
RN 326861-00-1 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-cyclohexylethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



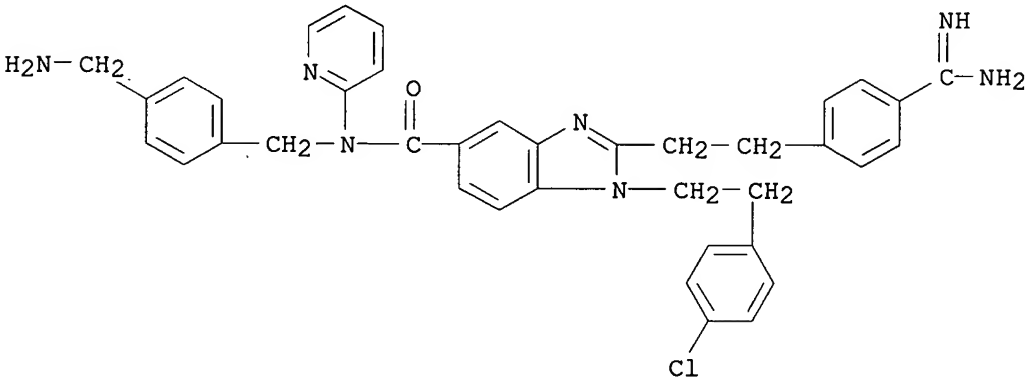
RN 326861-01-2 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(cyclopropylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



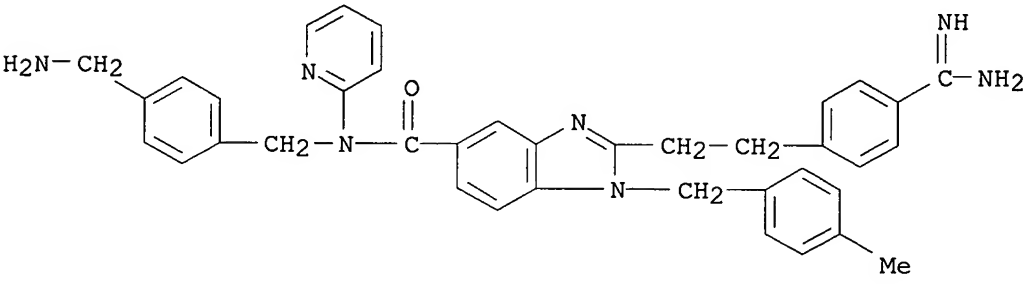
RN 326861-02-3 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-phenylethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



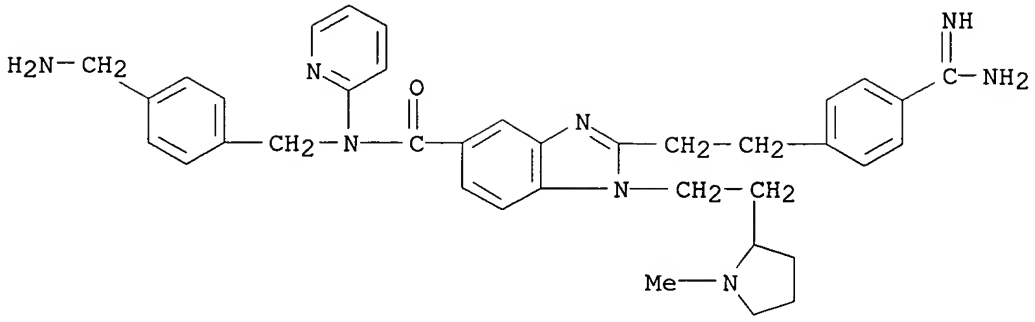
RN 326861-03-4 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(4-chlorophenyl)ethyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



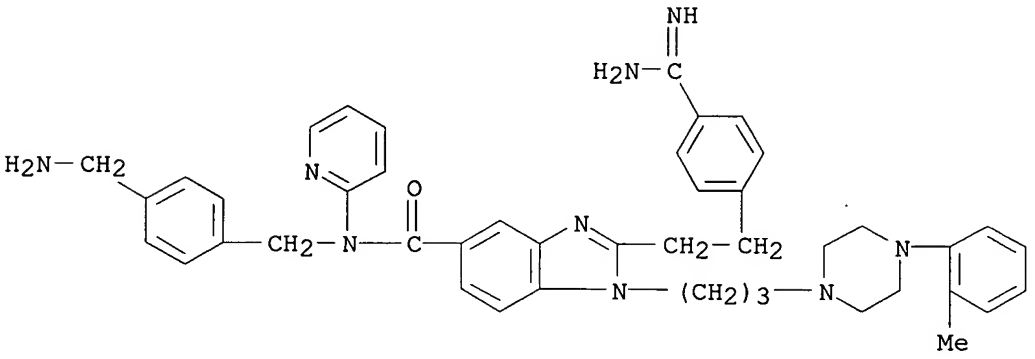
RN 326861-04-5 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[(4-methylphenyl)methyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



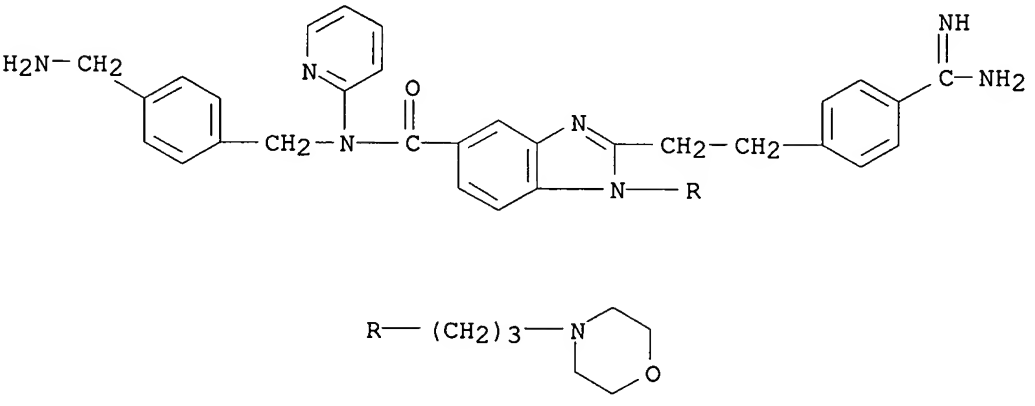
RN 326861-05-6 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(1-methyl-2-pyrrolidinyl)ethyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



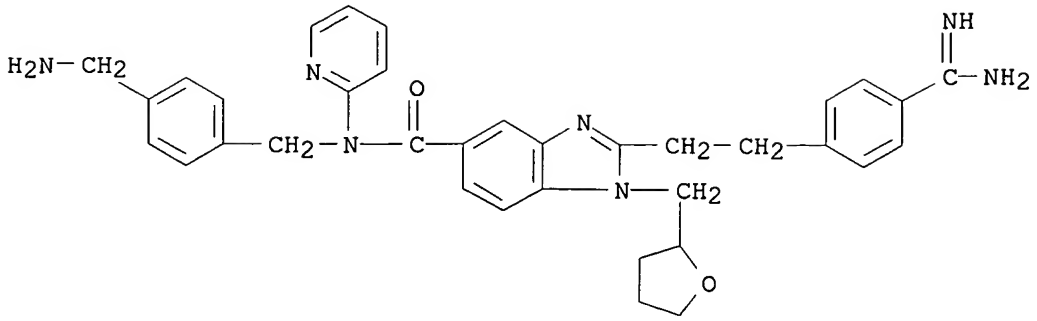
RN 326861-06-7 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[4-(2-methylphenyl)-1-piperazinyl]propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



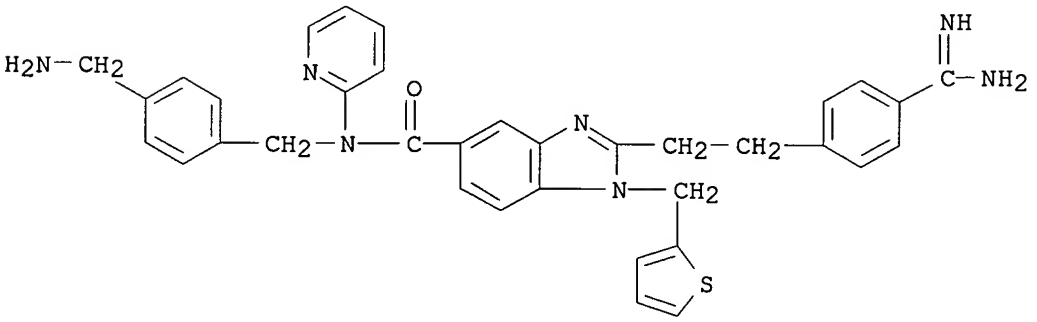
RN 326861-07-8 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(4-morpholinyl)propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



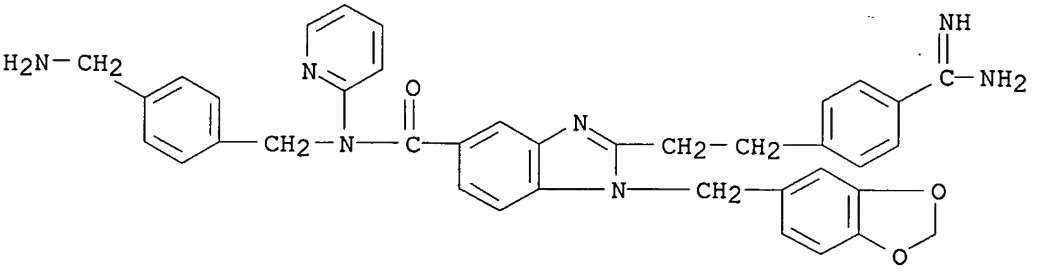
RN 326861-08-9 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-2-pyridinyl-1-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)



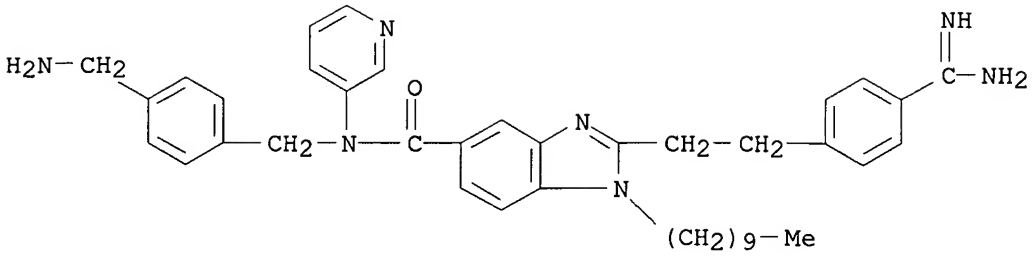
RN 326861-09-0 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-2-pyridinyl-1-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



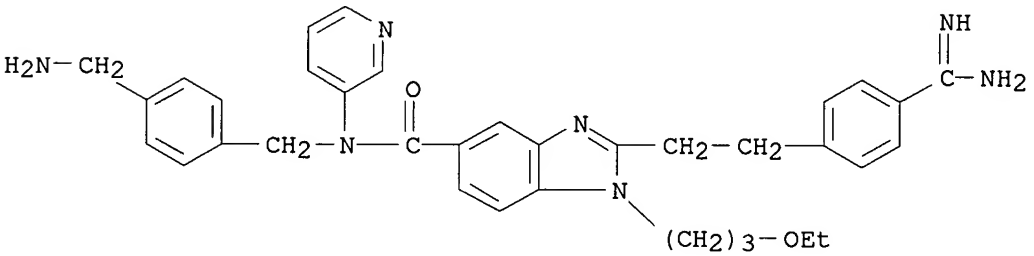
RN 326861-10-3 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(1,3-benzodioxol-5-ylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



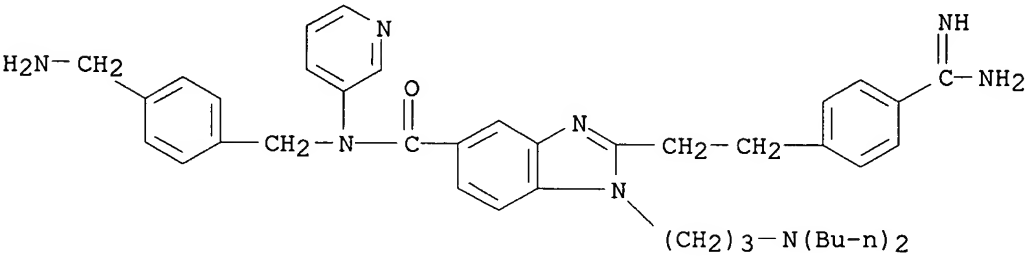
RN 326861-11-4 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-decyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 326861-12-5 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(3-ethoxypropyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

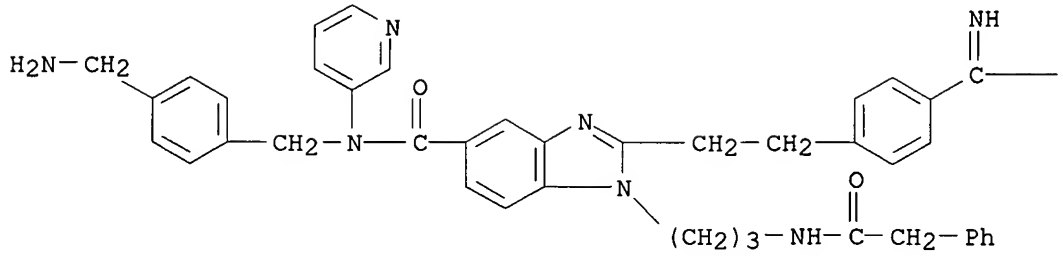


RN 326861-13-6 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(dibutylamino)propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 326861-14-7 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[(phenylacetyl)amino]propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

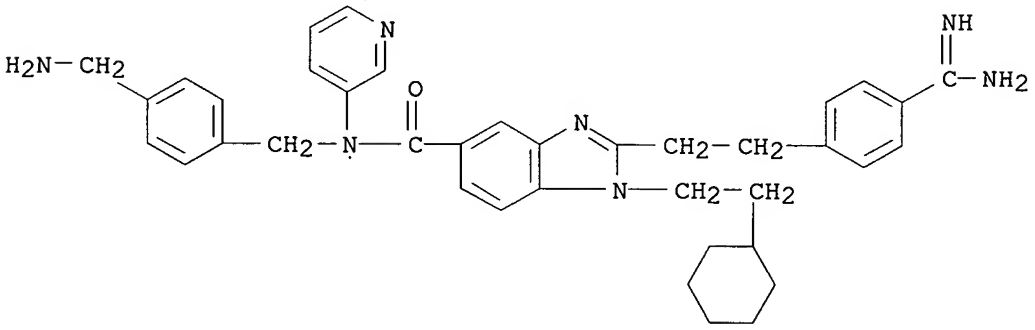
PAGE 1-A



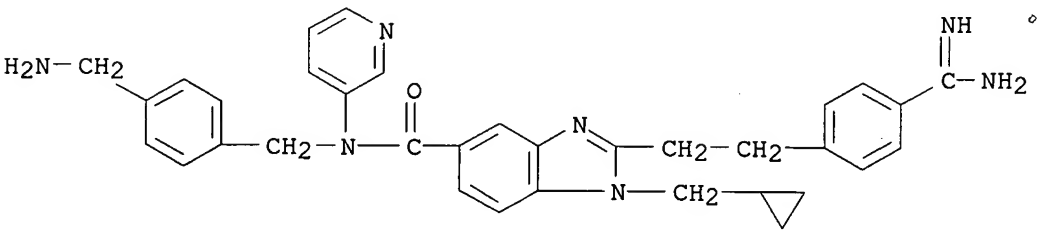
PAGE 1-B

—NH_2

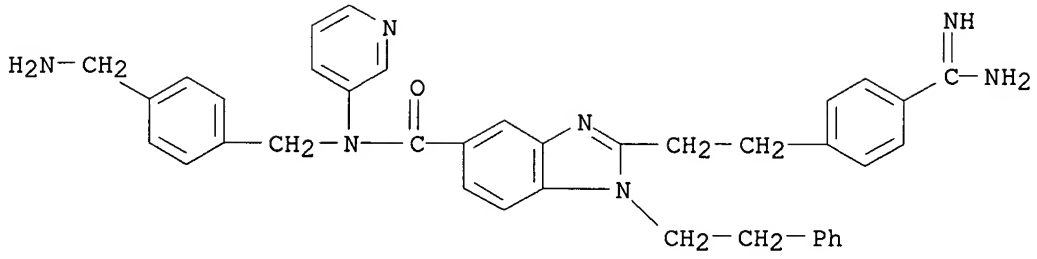
RN 326861-15-8 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-cyclohexylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



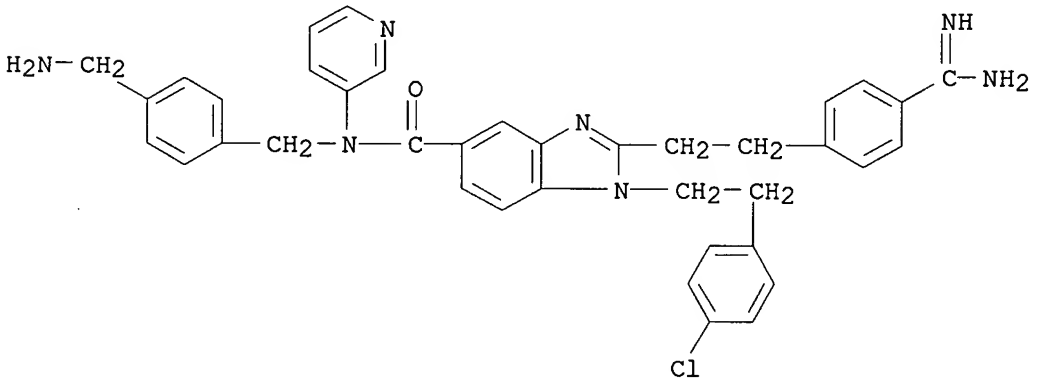
RN 326861-16-9 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(cyclopropylmethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



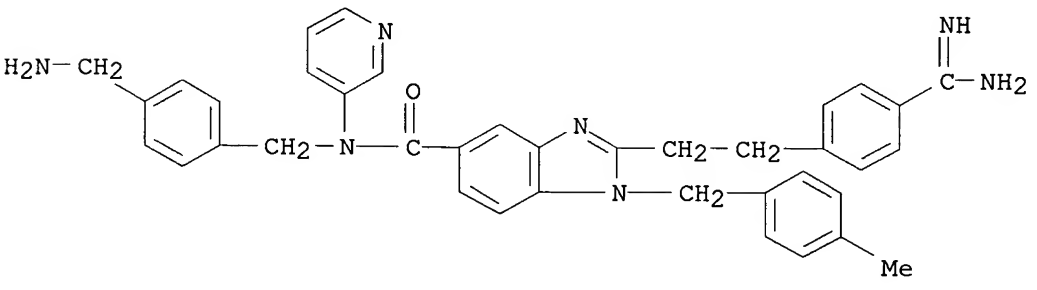
RN 326861-17-0 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-phenylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



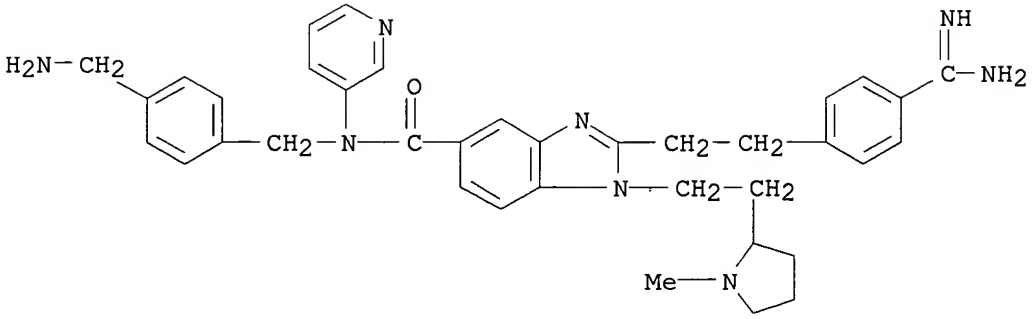
RN 326861-18-1 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(4-chlorophenyl)ethyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



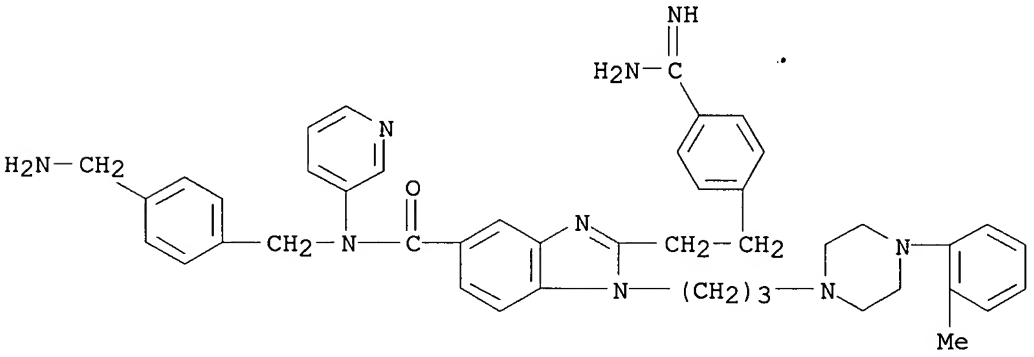
RN 326861-19-2 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[(4-methylphenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



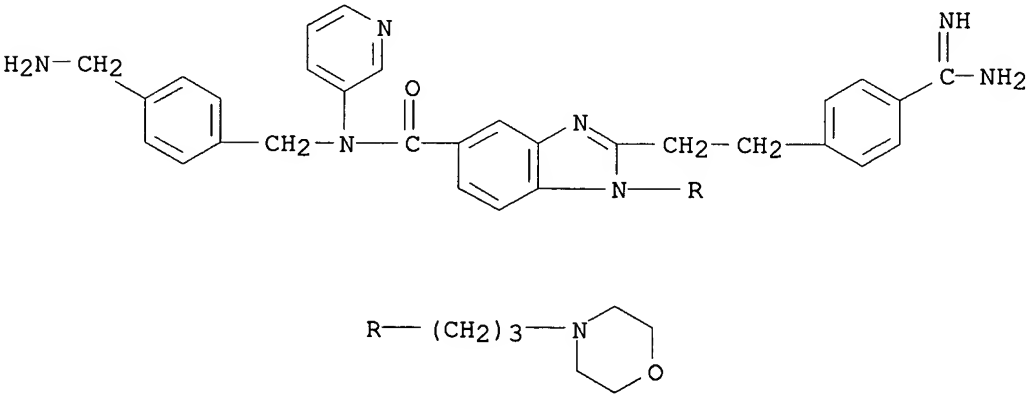
RN 326861-20-5 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(1-methyl-2-pyrrolidinyl)ethyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



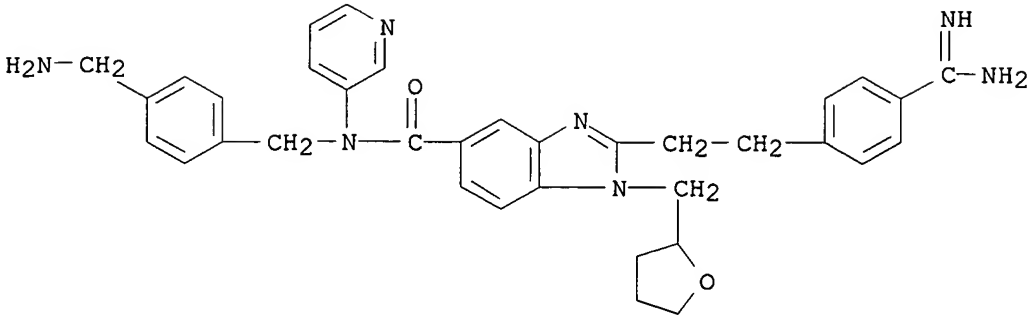
RN 326861-21-6 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[4-(2-methylphenyl)-1-piperazinyl]propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



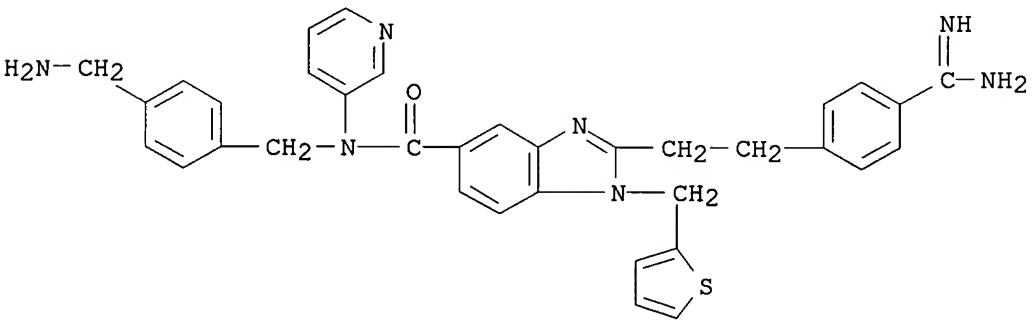
RN 326861-22-7 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(4-morpholinyl)propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



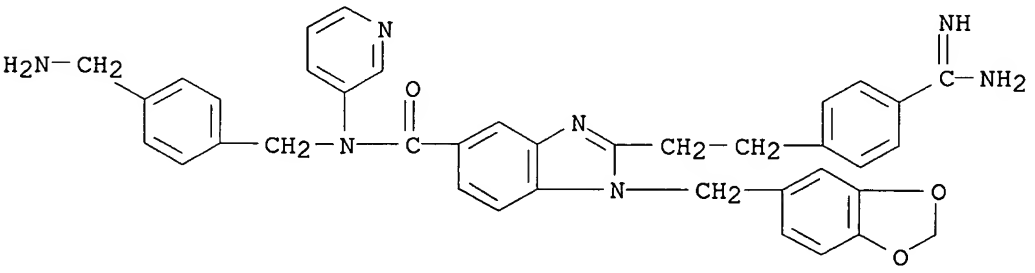
RN 326861-23-8 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-3-pyridinyl-1-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 326861-24-9 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-3-pyridinyl-1-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 326861-25-0 CAPLUS
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(1,3-benzodioxol-5-ylmethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 46 CAPLUS COPYRIGHT 2003 ACS ✓
ACCESSION NUMBER: 1999:658533 CAPLUS
DOCUMENT NUMBER: 131:293253
TITLE: Silver halide color photographic material with prevention of color mixing
INVENTOR(S): Fukuzawa, Hiroshi; Sato, Hideaki
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 44 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11282139	A2	19991015	JP 1998-99948	19980330

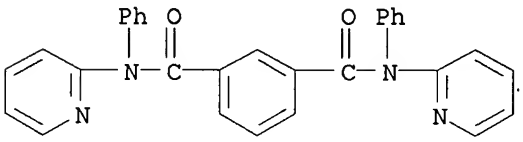
PRIORITY APPLN. INFO.: JP 1998-99948 19980330

AB In the title photog. material contg. a high b.p. org. solvent and a reducing compd., the .DELTA..nu.D value showing electron-donating properties of the solvent is 90-160 and the soly. of water in the solvent is 0-1.2 wt.%. The material shows improved color reproducibility and prevents color mixing upon storage under high moisture conditions, and the coating film shows good adhesion to the support.

IT **246041-95-2**
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(photog. film contg. high b.p. org. solvent and reducing agent for color mixing prevention)

RN 246041-95-2 CAPLUS

CN 1,3-Benzenedicarboxamide, N,N'-diphenyl-N,N'-di-2-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:532295 CAPLUS
DOCUMENT NUMBER: 131:306741
TITLE: Second-Generation Peptidomimetic Inhibitors of Protein Farnesyltransferase Demonstrating Improved Cellular Potency and Significant in Vivo Efficacy
AUTHOR(S): O'Connor, Stephen J.; Barr, Kenneth J.; Wang, Le; Sorensen, Bryan K.; Tasker, Andrew S.; Sham, Hing; Ng, Shi-Chung; Cohen, Jerome; Devine, Edward; Cherian, Sajeev; Saeed, Badr; Zhang, Haichao; Lee, Jang Yun; Warner, Robert; Tahir, Stephen; Kovar, Peter; Ewing, Patricia; Alder, Jeffrey; Mitten, Michael; Leal, Juan; Marsh, Kennan; Bauch, Joy; Hoffman, Daniel J.; Sebti, Said M.; Rosenberg, Saul H.
CORPORATE SOURCE: Department of Cancer Research D-47B General Pharmacology and Experimental Therapeutis D-47T, and Experimental Sciences D-4EK, Abbott Laboratories, Abbott Park, IL, 60064-3500, USA
SOURCE: Journal of Medicinal Chemistry (1999), 42(18), 3701-3710
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 131:306741

AB The synthesis and evaluation of analogs of previously reported farnesyltransferase inhibitors, a pyridyl benzyl ether and a pyridylbenzylamine, are described. Substitution of the pyridyl benzyl ether at the 5-position of the core aryl ring resulted in inhibitors of

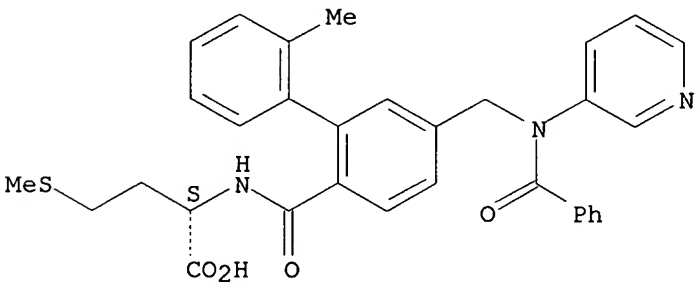
equal or less potency against the enzyme and decreased efficacy in a cellular assay against Ras processing by the enzyme. Substitution of the pyridylbenzylamine at the benzyl nitrogen yielded 4-(N-benzyl-N-3-pyridylaminomethyl)-2-(2-methylphenyl)benzoylmethionine (I), which showed improved efficacy and potency and yet presented a poor pharmacokinetic profile. Further modification afforded 4-(N-3,5-difluorobenzyl-N-phenylaminomethyl)-2-(2-methylphenyl)benzoylmethionine, which demonstrated a dramatically improved pharmacokinetic profile. I and 4-(N-benzyl-N-phenylaminomethyl)-2-(2-methylphenyl)benzoylmethionine demonstrated significant in vivo efficacy in nude mice inoculated with MiaPaCa-2, a human pancreatic tumor-derived cell line.

IT **247235-70-7P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(second-generation peptidomimetic inhibitors of protein farnesyltransferase demonstrating efficacy for inhibition of Ras protein processing and antitumor activity in relation to pharmacokinetics)

RN 247235-70-7 CAPLUS

CN L-Methionine, N-[[5-[(benzoyl-3-pyridinylamino)methyl]-2'-methyl[1,1'-biphenyl]-2-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:337276 CAPLUS

DOCUMENT NUMBER: 131:58800

TITLE: On the chemistry of pyrido[1,2-a]pyrazines. Reactivity towards heterocumulenes and ketenes

AUTHOR(S): Billert, Thomas; Beckert, Rainer; Doring, Manfred; Gorls, Helmar

CORPORATE SOURCE: Inst. Organische Makromolekulare Chem., Friedrich-Schiller-Univ., Jena, D-07743, Germany

SOURCE: Journal fuer Praktische Chemie (Weinheim, Germany) (1999), 341(4), 332-341
CODEN: JPCHF4; ISSN: 1436-9966

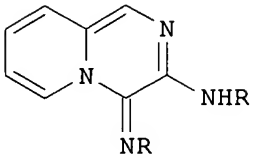
PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: German

OTHER SOURCE(S): CASREACT 131:58800

GI



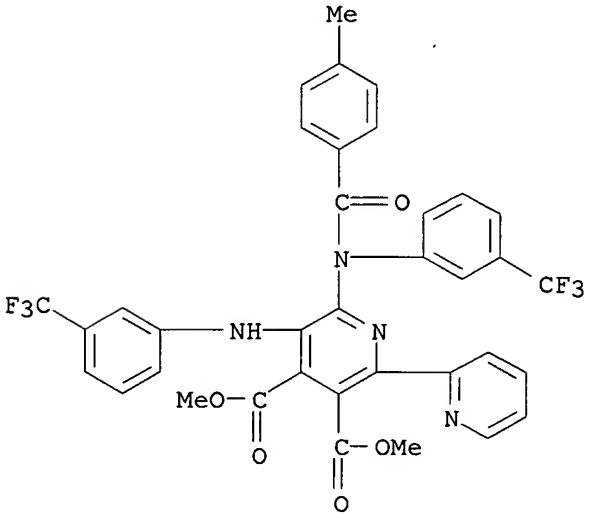
I

AB To extend the ring transformation reactions of pyrido[1,2-a]pyrazines I (R = 4-MeC6H4, 3-CF3C6H4, 4-O2NC6H4, 4-MeC6H4SO2, 4-MeOC6H4, 4-EtO2CC6H4) which contain a cyclic 2-aza 1,3-diene substructure, acceptor-substituted heterocumulenes were tested as dienophiles. In contrast to other reactions described to date, exclusively the exocyclic imino function was attacked. In the course of a hetero-metathesis 4-thiono- and 4-selono-4H-pyrido[1,2-a]pyrazin-3-amines were formed. In the case of PhCONCO and 4-O2NC6H4NCO, the preliminary [2+2] cycloaddn. reaction preferably takes place on the C-N-bond of the isocyanate group leading to acyl-aryl substituted pyridopyrazines. The reaction of I with in situ generated arylketenes gave pyrido[1,2-a]pyrrolo[2,3-e]pyrazin-2(3H)-ones, which can be further transformed to pyridylpyridopyrrolinones. Whereas AcCl only led to N-acylated pyrido[1,2-a]pyrazines, PhCOCl addnl. gave diacylated pyrido[1,2-a]pyrazines.

IT **227961-94-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(reactivity of pyridopyrazines towards heterocumulenes and ketenes)

RN 227961-94-6 CAPLUS

CN [2,2'-Bipyridine]-3,4-dicarboxylic acid, 6-[(4-methylbenzoyl)[3-(trifluoromethyl)phenyl]amino]-5-[[3-(trifluoromethyl)phenyl]amino]-, dimethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:600231 CAPLUS

DOCUMENT NUMBER: 129:296117

TITLE: Silver halide photographic material and manufacture, processing, and photographing thereof

INVENTOR(S): Nagami, Akira; Takamukai, Yasuhiko
PATENT ASSIGNEE(S): Konica Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

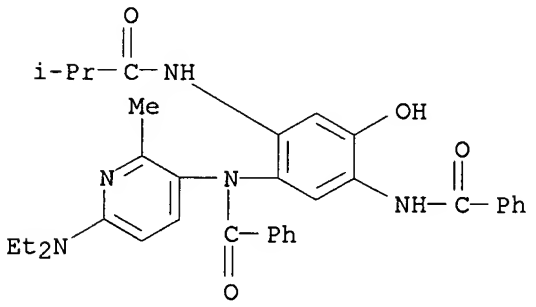
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10246932	A2	19980914	JP 1997-51663	19970306

PRIORITY APPLN. INFO.: JP 1997-51663 19970306

AB The title material, possessing hydrophilic colloid layers including .gtoreq.1 Ag halide emulsion layer on a support, contains a leuco compd. and inorg. fine particles in .gtoreq.1 of the hydrophilic colloid layers. The material may contain inorg. particles with no. av. diam. 10-1000 nm and BET sp. surface area 10-200 m2/g in the leuco compd.-contg. hydrophilic colloid layer or the layer farther than the leuco compd.-contg. layer from the support. A method of manufg. the material comprises the steps of prepg. a dispersion contg. the leuco compd. and the inorg. particles, adding the dispersion to the coating soln. for the hydrophilic colloid layer, and coating the soln. on a support. The material is processed by a process including development and fixing steps. The material is contacted with a fluorescent intensifying screen followed by exposure with x-ray to form an image. The material provides neutral black image tone in rapid processing and prevents staining of intensifying screen arising from attachment of the leuco compd.

IT **214221-96-2**
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(photog. film contg. leuco dye and inorg. fine particle)

RN 214221-96-2 CAPLUS
CN Benzamide, N-[5-(benzoylamino)-4-hydroxy-2-[(2-methyl-1-oxopropyl)amino]phenyl]-N-[6-(diethylamino)-2-methyl-3-pyridinyl]- (9CI) (CA INDEX NAME)



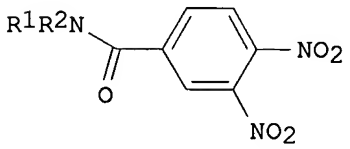
L4 ANSWER 11 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:169454 CAPLUS
DOCUMENT NUMBER: 128:217191
TITLE: Preparation of 3,4-dinitrobenzamides as calcitonin gene related peptide receptor ligands.
INVENTOR(S): Daines, Robert A.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA; Daines, Robert A.
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9809630	A1	19980312	WO 1997-US15931	19970909
W: AL, AM, AU, BB, BG, BR, CA, CN, CZ, EE, GE, GH, HU, ID, IL, IS, JP, KG, KP, KR, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
ZA 9708046	A	19980401	ZA 1997-8046	19970908
AU 9742616	A1	19980326	AU 1997-42616	19970909
EP 934068	A1	19990811	EP 1997-940951	19970909
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 2002511836	T2	20020416	JP 1998-512994	19970909

PRIORITY APPLN. INFO.:
US 1996-25690P P 19960909
US 1997-48012P P 19970529
WO 1997-US15931 W 19970909

OTHER SOURCE(S): MARPAT 128:217191
GI

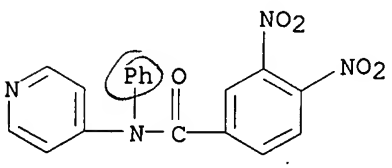


I

AB Title compds. [I; R1 = H, Me, alkyl, phenylalkyl, heterocyclylalkyl, aminoalkyl, carboxyalkyl, alkoxycarbonylalkyl, etc.; R2 = (substituted) aryl, heteroaryl, arylalkyl, heteroarylalkyl; R1R2N = (benzo-fused) 5-6 membered heterocyclyl], were prepd. Thus, N-methylaniline in CH2Cl2 was treated with Et3N and then with 3,4-dinitrobenzoyl chloride and the mixt. was shaken overnight to give N-methyl-N-phenyl-3,4-dinitrobenzamide. I antagonized CGRP receptors with IC50 = 0.001-100 .mu.M.

IT **204260-69-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 3,4-dinitrobenzamides as calcitonin gene related peptide receptor ligands)

RN 204260-69-5 CAPLUS
CN Benzamide, 3,4-dinitro-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)

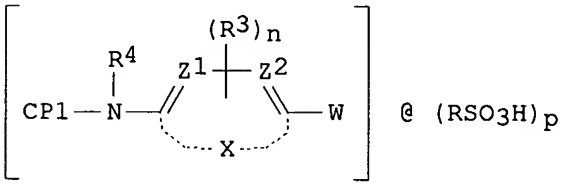


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:679003 CAPLUS
DOCUMENT NUMBER: 127:324415
TITLE: Silver halide photographic material
INVENTOR(S): Kimura, Yoko; Yamada, Taketoshi; Miura, Norio
PATENT ASSIGNEE(S): Konica Corp., Japan
SOURCE: Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 800108	A1	19971008	EP 1997-105312	19970327
R: DE, FR, GB, IT				
US 5874206	A	19990223	US 1997-825113	19970327
JP 09325449	A2	19971216	JP 1997-80461	19970331

PRIORITY APPLN. INFO.: JP 1996-78692 19960401
OTHER SOURCE(S): MARPAT 127:324415
GI

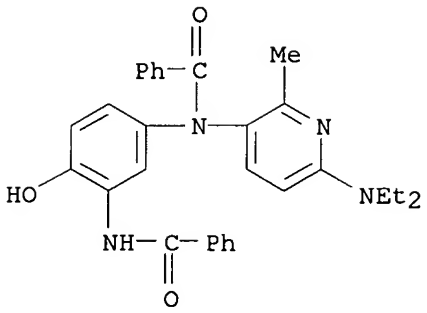


I

AB A silver halide photog. material is disclosed, comprising a support having thereon a silver halide emulsion layer, wherein the silver halide emulsion layer contains tabular silver halide grains having an av. iodide content .ltoreq.1.0%, the silver halide emulsion layer further contg. a dye compd. I (W = NR1R2, OH, OZ; R1-2 = alkyl, aryl; Z = alkali metal ion, quaternary ammonium ion; R3 = H, halogen, or a univalent substituent; n = 1-3; Z1-2 = N, C(R3); X = an at. group for forming a 5-6 membered arom. heterocyclic ring; R4 = H, acyl, sulfonyl, carbamoyl, sulfo, sulfamoyl, alkoxycarbonyl, aryloxycarbonyl; R = an aliph. or arom. residue; p = 1-2; CP1 = aryl, azaaryl). The material provides excellent storage stability.

IT **194936-52-2**
RL: TEM (Technical or engineered material use); USES (Uses)
(dye compd. for silver halide photog. light sensitive material)

RN 194936-52-2 CAPLUS
CN Benzamide, N-[3-(benzoylamino)-4-hydroxyphenyl]-N-[6-(diethylamino)-2-methyl-3-pyridinyl]- (9CI) (CA INDEX NAME)

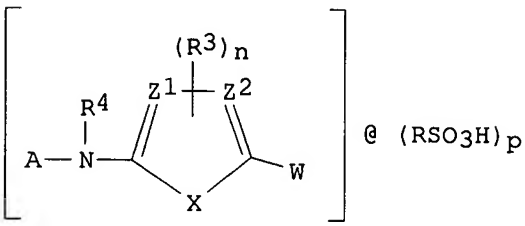


J

L4 ANSWER 13 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:553859 CAPLUS
DOCUMENT NUMBER: 127:227382
TITLE: Silver halide photographic material
INVENTOR(S): Yamada, Taketoshi; Miura, Norio; Kataoka, Emiko; Katoh, Katsunori
PATENT ASSIGNEE(S): Konica Corporation, Japan
SOURCE: Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 789266	A1	19970813	EP 1997-300748	19970206
R: DE, FR, GB, IT				
JP 09272809	A2	19971021	JP 1996-245989	19960918
US 5707792	A	19980113	US 1997-791377	19970130

PRIORITY APPLN. INFO.: JP 1996-23882 19960209
JP 1996-245989 19960918
OTHER SOURCE(S): MARPAT 127:227382
GI



I

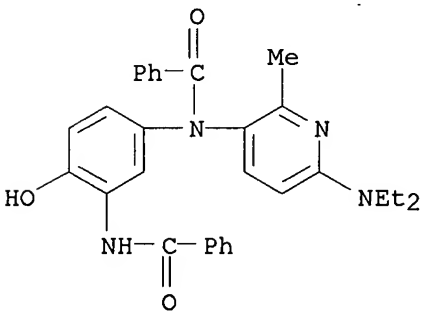
AB A silver halide photog. material comprises a support having thereon photog. component layers including a silver halide emulsion layer and a light-insensitive hydrophilic colloidal layer, wherein at least one of the component layers contains a leuco dye represented by the formula I (W = NR1R2, OH, or OZ; R1, R2 = alkyl or aryl; Z = an alkali metal or quaternary ammonium ion; R3 = H, halogen, or a substituent; n = an integer of 1-3; Z1, Z2 = N or C(R3); X = an at. group necessary for forming a 5- or 6-membered arom. heterocyclic ring with Z1, Z2, and carbon atoms adjoining thereto; R4 = H, acyl, sulfonyl, carbamoyl, sulfo, sulfamoyl,

alkoxycarbonyl, or aryoxycarbonyl; R = an aliph. or arom. group; p = 1 or 2; A = a N-contg. heterocyclic group).

IT **194936-52-2**
RL: TEM (Technical or engineered material use); USES (Uses)
(in black-and-white silver halide photog. emulsions for improved storage stability and providing blue-black-toned silver images)

RN 194936-52-2 CAPLUS

CN Benzamide, N-[3-(benzoylamino)-4-hydroxyphenyl]-N-[6-(diethylamino)-2-methyl-3-pyridinyl]- (9CI) (CA INDEX NAME)



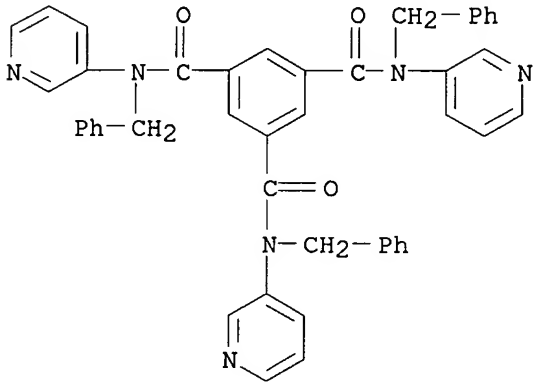
L4 ANSWER 14 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:213260 CAPLUS
DOCUMENT NUMBER: 124:355413
TITLE: Ion-pair cationization process in liquid secondary ion mass spectrometry
AUTHOR(S): Mohan, Krishnan R.; Wilson, Michele M. N.; Haseltine, John; Busch, Kenneth L.
CORPORATE SOURCE: School Chemistry and Biochemistry, Georgia Inst. Technology, Atlanta, GA, 30332-0400, USA
SOURCE: Applied Spectroscopy (1996), 50(4), 537-40
CODEN: APSPA4; ISSN: 0003-7028
PUBLISHER: Society for Applied Spectroscopy
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Transition metal nitrate or chloride salts (with the metal originally in either the (II) or the (III) oxidn. state) were added to meta-nitrobenzyl alc. solns. of a tris-amine compd. (N,N',N''-tris(phenylmethyl)-N,N',N''-tris-(3-pyridyl)-1,3,5-benzenetricarboxamide). A pos.-ion liq. secondary ion mass spectrometry (LSIMS) mass spectrum of the tris-amine compd. mixed with Ni(NO3)2 is shown. The base peak is [M+Ni(NO3)]+, with the (M+Ni)+ ion of low relative intensity, and the protonated mol. not obsd. at all. Mixing of the tris-amine with Cd nitrate similarly produces an LSIMS mass spectrum in which the [M+Cd(NO3)]+ ion predominates in the mol. ion region, and in this case, neither the protonated mol. nor the expected (M+Cd)+ ion is seen. A similar result was obtained for a sputtered soln. that contains Co(II) nitrate. For Fe(II) nitrate-doped solns., the mass spectrum shows the ion-pair cationization product after a 1-electron redn., viz., [M+Fe(NO3)]+, and the protonated mol. Incorporation of the 2nd nitrate anion was avoided, presumably because of the relative ease (0.77 V) with which the Fe(III) is reduced to Fe(II). It remains to be seen whether Met(III) species for which there is no equiv. Met(II) state will participate in the ion-pair cationization process.

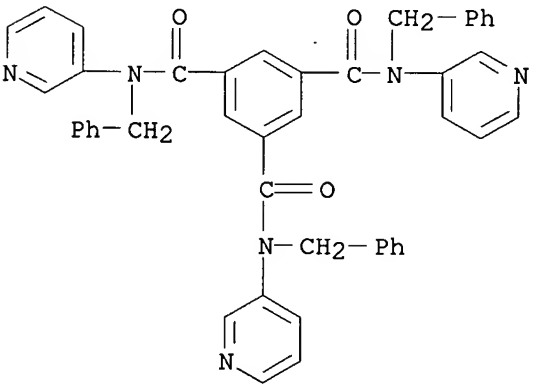
IT **176962-39-3**
RL: FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); FORM (Formation, nonpreparative); PROC (Process)
(ion-pair cationization process in liq. secondary ion mass

spectrometry)
RN 176962-39-3 CAPLUS
CN 1,3,5-Benzenetricarboxamide, N,N',N''-tris(phenylmethyl)-N,N',N''-tri-3-pyridinyl-, conjugate monoacid (9CI) (CA INDEX NAME)



● H^+

IT **176962-45-1**
RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)
(ion-pair cationization process in liq. secondary ion mass spectrometry)
RN 176962-45-1 CAPLUS
CN 1,3,5-Benzenetricarboxamide, N,N',N''-tris(phenylmethyl)-N,N',N''-tri-3-pyridinyl- (9CI) (CA INDEX NAME)

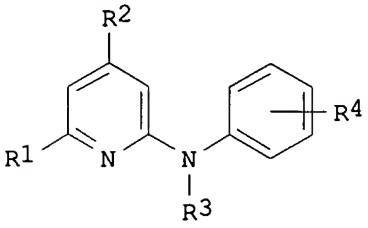


L4 ANSWER 15 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:680553 CAPLUS
DOCUMENT NUMBER: 121:280553
TITLE: Preparation of (phenylamino)pyridine agrochemical pesticides and fungicides
INVENTOR(S): Wagner, Oliver; Eicken, Karl; Ammermann, Eberhard; Lorenz, Gisela
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 36 pp.

CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4308395	A1	19940922	DE 1993-4308395	19930317
JP 06340631	A2	19941213	JP 1994-34489	19940304
EP 617891	A1	19941005	EP 1994-103358	19940305
EP 617891	B1	19970528		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
AT 153501	E	19970615	AT 1994-103358	19940305
ES 2102706	T3	19970801	ES 1994-103358	19940305
US 5453432	A	19950926	US 1994-208816	19940311
CA 2118975	AA	19940918	CA 1994-2118975	19940314
AU 9457799	A1	19940922	AU 1994-57799	19940315
AU 679958	B2	19970717		
ZA 9401842	A	19950918	ZA 1994-1842	19940316
US 5569765	A	19961029	US 1995-422862	19950417

PRIORITY APPLN. INFO.: DE 1993-4308395 19930317
US 1994-208816 19940311
OTHER SOURCE(S): MARPAT 121:280553
GI



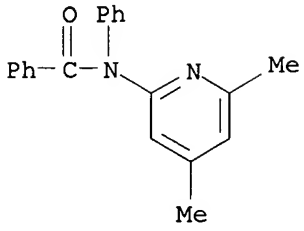
I

AB The title compds. [I; R1 = (un)substituted alkyl, alkenyl, alkynyl, (un)substituted cycloalkyl, halogen, CN, etc.; R2 = (un)substituted alkyl, alkenyl, alkynyl, etc.; R3 = H, CN, etc.; R4 = H, halogen, (un)substituted alkyl, CN], (e.g., R1 = cyclopropyl, R2 = Me, R3 = Ac, R4 = H), useful as pesticides (no data) and agrochem. fungicides (no data), esp. against Botrytis cinerea (no data), are prepd.

IT **73295-34-8**
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(claimed compd.; prepn. as agrochem. pesticide and fungicide)

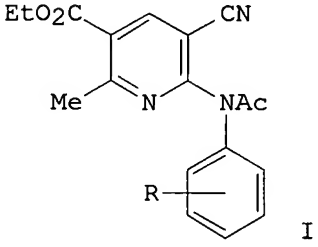
RN 73295-34-8 CAPLUS

CN Benzamide, N-(4,6-dimethyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)

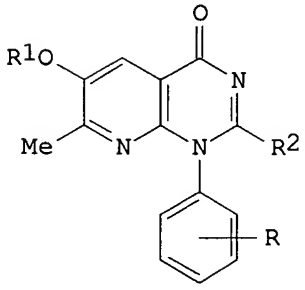


L4 ANSWER 16 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1993:22196 CAPLUS
DOCUMENT NUMBER: 118:22196
TITLE: Synthesis and properties of 1-aryl-1,4-dihydro-2,7-dimethyl-4-oxopyrido[2,3-d]pyrimidine-6-carboxylic acids and their derivatives
AUTHOR(S): Deyanov, A. B.; Gavrilov, M. Yu.; Konshin, M. E.
CORPORATE SOURCE: Perm. Farm. Inst., Perm, 614600, Russia
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1992), (4), 535-9
CODEN: KGSSAQ; ISSN: 0132-6244
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



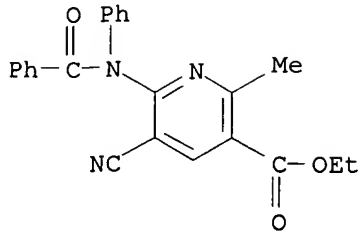
I



II

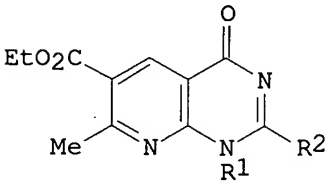
AB N-Acetyl-2-arylamino-5-(ethoxycarbonyl)-6-methylnicotinonitriles I (R = H, 3-, 4-Me), obtained by acetylation of the corresponding 2-(arylamino)-5-(ethoxycarbonyl)nicotinonitriles, were cyclized by HCl to give 67-85% pyridoprimidines II (R1 = OEt, R2 = Me). The latter were converted to hydroxamic acids II (R1 = NHOH, R2 = Me) and also acetylated to 2-acetonyl derivs. II (R1 = OEt, R2 = CH2COMe).

IT **137549-49-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 137549-49-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-(benzoylphenylamino)-5-cyano-2-methyl-, ethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 17 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1992:151708 CAPLUS
DOCUMENT NUMBER: 116:151708
TITLE: Synthesis and properties of 2-substituted 1-aryl-7-methyl-4-oxo-1,4-dihydropyrido[2,3-d]pyrimidine-6-carboxylic acids and their derivatives
AUTHOR(S): Deyanov, A. B.; Konshin, M. E.
CORPORATE SOURCE: Perm. Farm. Inst., Perm, USSR
SOURCE: Zhurnal Organicheskoi Khimii (1991), 27(8), 1779-84
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI



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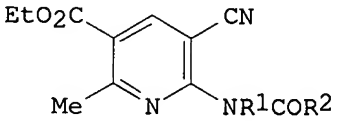
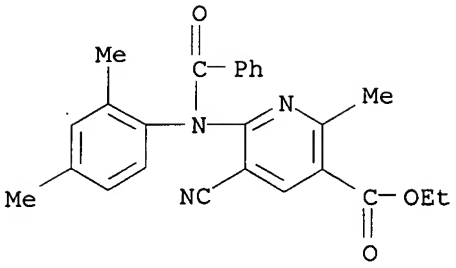


II

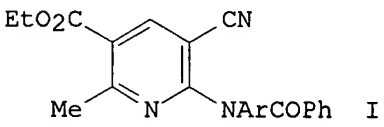
AB 2-Substituted 1-aryl-7-methyl-4-oxo-6-(ethoxycarbonyl)-1,4-dihydropyrido[2,3-d]pyrimidines I (R1 = 3-BrC6H4, 2-MeC6H4, R2 = Me; R1 = 2,4-Me2C6H3, R2 = Ph), prepd. by acid-catalyzed cyclization of 2-(N-acylarylamino)-6-methyl-5-(ethoxycarbonyl)nicotinonitriles (II) undergo reactions with base, NH2OH, and hydrazine to give the corresponding acids, their N-hydroxyamides, or hydrazides; acetylation of II by Ac2O takes place on the Me group at the 2-position. On the basis of NMR data I exist in enaminocarbonyl and iminoenol forms.

IT **139617-66-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and acid-catalyzed intramol. cyclocondensation of)

RN 139617-66-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-[benzoyl(2,4-dimethylphenyl)amino]-5-cyano-2-methyl-, ethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 18 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:679952 CAPLUS
DOCUMENT NUMBER: 115:279952
TITLE: Synthesis of 1-aryl-7-methyl-4-oxo-2-phenyl-1,4-dihydropyrido[2,3-d]pyrimidine-6-carboxylic acid derivatives
AUTHOR(S): Deyanov, A. B.; Konshin, M. E.
CORPORATE SOURCE: Perm. Farm. Inst., Perm, USSR
SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1991), 34(4), 117-20
CODEN: IVUKAR; ISSN: 0579-2991
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 115:279952
GI



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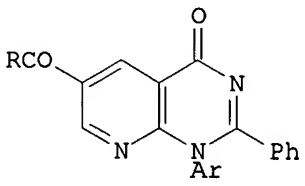
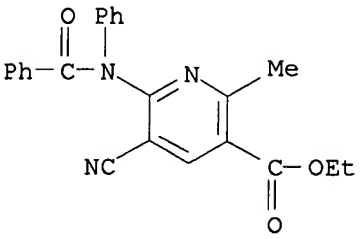


II

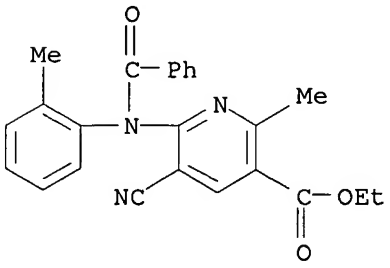
AB The intramol. cyclocondensation of nicotinonitriles I (Ar = Ph, 2-MeC6H4,4-MeC6H4) on treatment with HCl gave dihydropyridopyrimidinecarboxylates II (R = EtO). Sapon. of II followed by treatment with aniline gave anilides II (R = NHPh).

IT **137549-49-6 137549-50-9 137549-51-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(intramol. cyclocondensation of)

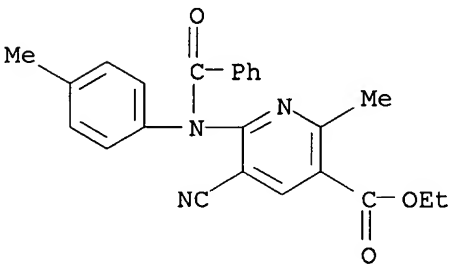
RN 137549-49-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-(benzoylphenylamino)-5-cyano-2-methyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 137549-50-9 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-[benzoyl(2-methylphenyl)amino]-5-cyano-2-methyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 137549-51-0 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-[benzoyl(4-methylphenyl)amino]-5-cyano-2-methyl-, ethyl ester (9CI) (CA INDEX NAME)

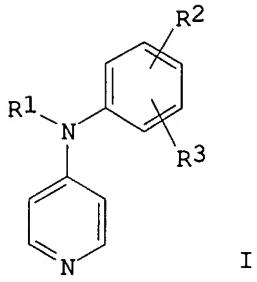


L4 ANSWER 19 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:48815 CAPLUS
DOCUMENT NUMBER: 112:48815
TITLE: Method of treating senile cognitive decline with N'-substituted aminopyridine adrenergic agents
INVENTOR(S): Kester, Jeffrey A.; Moos, Walter H.; Thomas, Anthony J.
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4855308	A	19890808	US 1987-128831	19871204

PRIORITY APPLN. INFO.: US 1987-128831 19871204
OTHER SOURCE(S): CASREACT 112:48815; MARPAT 112:48815
GI



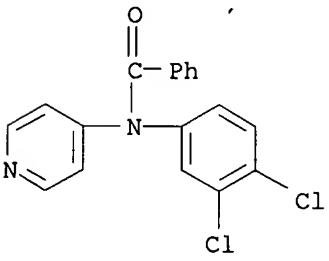
I

AB A method for treating the symptoms of cognitive decline in an elderly patient comprises administering an effective amt. of title compd. I [R1 = H, C1-6 alkyl, C2-6 alkanoyl, benzolyl, COOH, etc.; R2, R3 = H, C1-6 alkyl, C2-6 alkanoyl, COO, halo, OH, etc.] or an acceptable salt. I (R1, R2 = H; R3 = 3-Cl) (II) demonstrated a high degree of selectivity for binding at the .alpha.2-adrenergic site with an IC50 value of 133 nM (by method of Rouot, B. R., 1979) and a minimal ED of 3.2 mg/kg in a water maze test. II was prepd. by reacting 3-chloroaniline 12.8 g and 4-chloropyridine.HCl 15.0 g in glacial CH3COOH.

IT **124705-32-4**
RL: BIOL (Biological study)
(cognitive decline symptoms treatment with)

RN 124705-32-4 CAPLUS

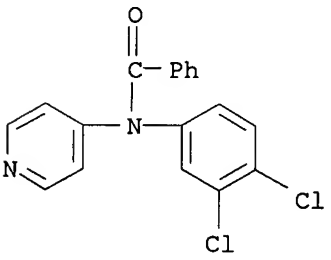
CN Benzamide, N-(3,4-dichlorophenyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



IT **124705-32-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, for cognitive decline symptoms treatment)

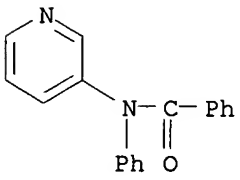
RN 124705-32-4 CAPLUS

CN Benzamide, N-(3,4-dichlorophenyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)

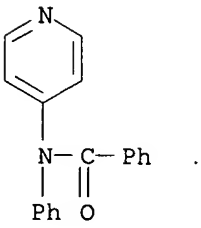


L4 ANSWER 20 OF 46 CAPLUS COPYRIGHT 2003 ACS

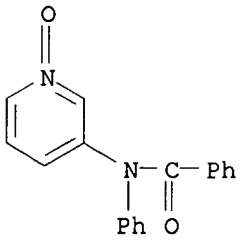
ACCESSION NUMBER: 1988:130898 CAPLUS
DOCUMENT NUMBER: 108:130898
TITLE: Evaluation of the polar-inductive and mesomeric effects exerted on contiguous functionalities by N-oxidopyridinium groups
AUTHOR(S): Barchiesi, Emma; Bradamante, Silvia; Carfagna, Carla; Ferraccioli, Raffaella; Pagani, Giorgio A.
CORPORATE SOURCE: Dip. Chim. Org. Ind., Univ. Milan, Milan, 20133, Italy
SOURCE: Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1987), (8), 1009-13
CODEN: JCPKBH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 108:130898
AB 13C chem. shifts of substituted pyridine 1-oxides were measured. These chem. shifts were correlated with polar-inductive, resonance, and mixed substituent parameters.
IT **32967-16-1P 73333-84-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with chloroperbenzoic acid)
RN 32967-16-1 CAPLUS
CN Benzamide, N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



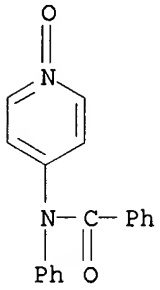
RN 73333-84-3 CAPLUS
CN Benzamide, N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



IT **33189-60-5P 113396-23-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and treatment with aq. potassium hydroxide)
RN 33189-60-5 CAPLUS
CN Benzamide, N-(1-oxido-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)

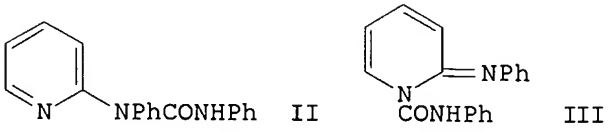


RN 113396-23-9 CAPLUS
CN Benzamide, N-(1-oxido-4-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 21 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1987:156246 CAPLUS
DOCUMENT NUMBER: 106:156246
TITLE: Structure of carbamoylated 2-(phenylamino)pyridines
AUTHOR(S): Moerkved, Eva H.
CORPORATE SOURCE: Norw. Inst. Technol., Univ. Trondheim, Trondheim, N-7034, Norway
SOURCE: Journal fuer Praktische Chemie (Leipzig) (1986), 328(3), 393-400
CODEN: JPCEAO; ISSN: 0021-8383
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 106:156246
GI

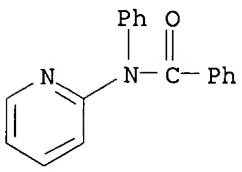


II III

AB Unambiguous prepns. of 2-(N-alkoxycarbonyl-N-phenyl)aminopyridine 1-oxide are used to prove that the product from 2-(phenylamino)pyridine (I), and Ph isocyanate is the expected urea II and not the 1,2-dihydropyridine deriv. III as reported by T. Hisano et al. (1981). The exocyclic nitrogen of I invariably reacts as the nucleophile towards electrophiles such as carbonyl chloride, esters of chloromethanoic acid and aryl isocyanates. 1H and 13C NMR spectra support the assigned structures of the products from these reactions.

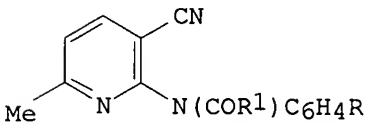
IT **20107-78-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)

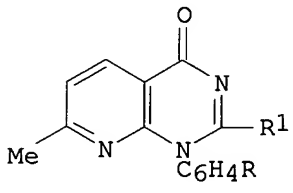


L4 ANSWER 22 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1985:166694 CAPLUS
DOCUMENT NUMBER: 102:166694
TITLE: Synthesis and properties of substituted 1-aryl-1,4-dihydro-4-oxopyrido[2,3-d]pyrimidines
AUTHOR(S): Shramm, N. I.; Konshin, M. E.
CORPORATE SOURCE: Perm. Gos. Farm. Inst., Perm, 614600, USSR
SOURCE: Khimiya Geterotsiklicheskikh Soedinenii (1985), (1), 114-16
CODEN: KGSSAQ; ISSN: 0453-8234
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 102:166694
GI



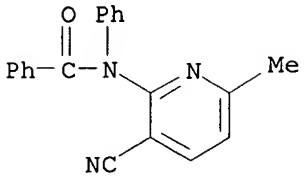
I



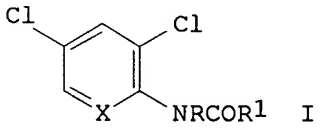
II

AB Acylated nicotinonitriles I (R = H, R1 = Me, Ph; R = p-Me, p-MeO, m-Me, R1 = Me), prepd. in 45-71% yields from the corresponding nicotinonitrile, underwent intramol. cyclocondensation with HCl-EtOH to give 53-73% pyridopyrimidinones II which (R = H, R1 = Me, p-Me) were treated with Ac2O-NaOAc to give 52 and 50% acetonyl derivs. II (R1 = CH2COMe).

IT **95848-04-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and intramol. cyclocondensation of)
RN 95848-04-7 CAPLUS
CN Benzamide, N-(3-cyano-6-methyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



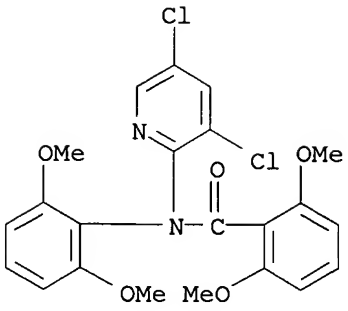
L4 ANSWER 23 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:149072 CAPLUS
DOCUMENT NUMBER: 102:149072
TITLE: Studies on potential antiviral compounds, XXIII. 2-(Substituted benzoylamino)-3,5-dichloropyridines and isosteric benzamides
AUTHOR(S): Ferranti, Anna; Garuti, Laura; Giovanninetti, Giuseppe; Borgatti, Mariangela; Bartoletti, Anna Maria
CORPORATE SOURCE: Inst. Pharm. Chem., Univ. Bologna, Bologna, I-40126, Italy
SOURCE: Archiv der Pharmazie (Weinheim, Germany) (1985), 318(1), 78-84
CODEN: ARPMAS; ISSN: 0365-6233
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 102:149072
GI



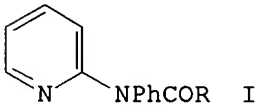
AB The antiviral title compds. I (R = H, R1 = substituted Ph, X = N, CH; R = R1 = 2,6-(MeO)2C6H3, X = N) were prepd. by amidation of the corresponding amines with benzoyl chlorides. I were tested in vitro against the MP strain of Herpes simplex virus type 1 [HSV-1(MP)]. The introduction of methoxy groups at the 2- and 6-positions of the benzoyl moiety yielded compds. which significantly inhibit HSV-1(MP) growth. Substitution with fluorine at the 4-position of the benzoyl group resulted in inactive compds. and on the whole led to enhanced cell toxicity. I [R = H, R1 = 3,2,6-Br(MeO)2C6H2] was the most active compd. (2.06 log10 units >99% inhibition at 100 .mu.g/mL).

IT **95729-19-4P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and virucidal activity of)

RN 95729-19-4 CAPLUS
CN Benzamide, N-(3,5-dichloro-2-pyridinyl)-N-(2,6-dimethoxyphenyl)-2,6-dimethoxy- (9CI) (CA INDEX NAME)



L4 ANSWER 24 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1983:594784 CAPLUS
DOCUMENT NUMBER: 99:194784
TITLE: Direct acylamination of pyridine 1-oxide with N-phenylarenimidoyl chlorides and fluorides
AUTHOR(S): Abramovitch, Rudolph A.; Pilski, Jacek; Konitz, Antoni; Tomasik, Piotr
CORPORATE SOURCE: Dep. Chem. Geol., Clemson Univ., Clemson, SC, 29631, USA
SOURCE: Journal of Organic Chemistry (1983), 48(23), 4391-3
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 99:194784
GI

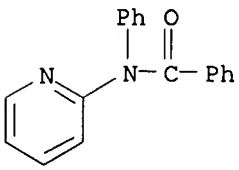


I

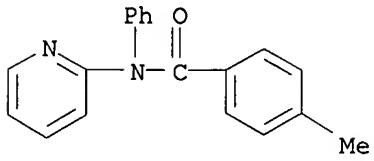
AB Pyridine oxide reacted with PhN:CClR [R = (un)substituted phenyl] to give a mixt. of benzoylanilinopyridines I, 3-chloropyridine, and PhNHCOR. The yields depend on electronic properties of the substituents.

IT **20107-78-2P 56969-75-6P 56969-76-7P 87281-82-1P 87281-83-2P 87281-84-3P 87281-85-4P 87281-86-5P 87281-87-6P 87281-88-7P 87281-89-8P 87281-90-1P 87281-91-2P 87281-92-3P 87281-93-4P 87308-16-5P 87319-90-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

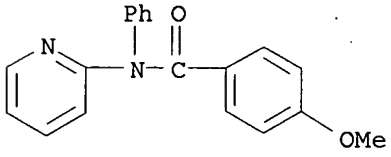
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



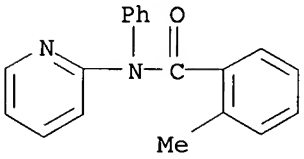
RN 56969-75-6 CAPLUS
CN Benzamide, 4-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



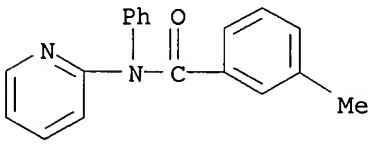
RN 56969-76-7 CAPLUS
CN Benzamide, 4-methoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



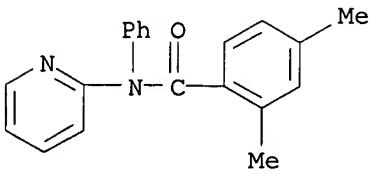
RN 87281-82-1 CAPLUS
CN Benzamide, 2-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



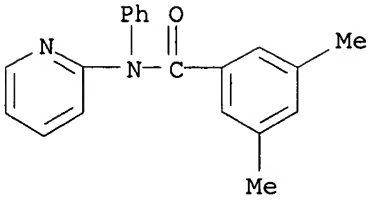
RN 87281-83-2 CAPLUS
CN Benzamide, 3-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



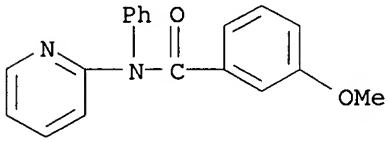
RN 87281-84-3 CAPLUS
CN Benzamide, 2,4-dimethyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



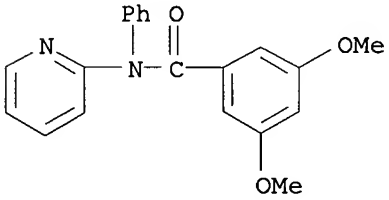
RN 87281-85-4 CAPLUS
CN Benzamide, 3,5-dimethyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



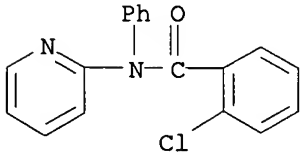
RN 87281-86-5 CAPLUS
CN Benzamide, 3-methoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



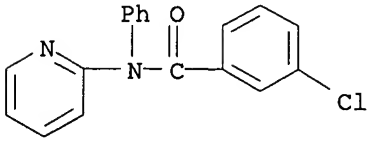
RN 87281-87-6 CAPLUS
CN Benzamide, 3,5-dimethoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



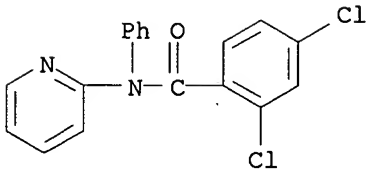
RN 87281-88-7 CAPLUS
CN Benzamide, 2-chloro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



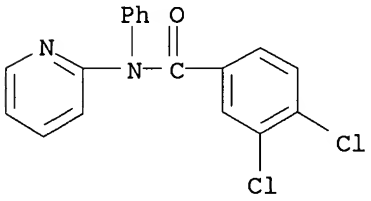
RN 87281-89-8 CAPLUS
CN Benzamide, 3-chloro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



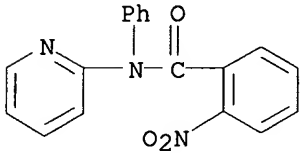
RN 87281-90-1 CAPLUS
CN Benzamide, 2,4-dichloro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



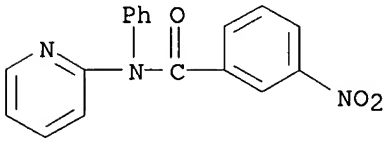
RN 87281-91-2 CAPLUS
CN Benzamide, 3,4-dichloro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



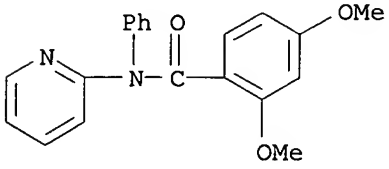
RN 87281-92-3 CAPLUS
CN Benzamide, 2-nitro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



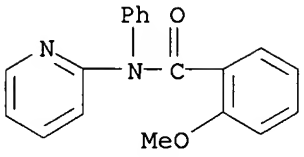
RN 87281-93-4 CAPLUS
CN Benzamide, 3-nitro-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 87308-16-5 CAPLUS
CN Benzamide, 2,4-dimethoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 87319-90-2 CAPLUS
CN Benzamide, 2-methoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)

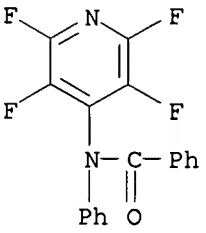


L4 ANSWER 25 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:122358 CAPLUS
DOCUMENT NUMBER: 96:122358
TITLE: Interaction of ambidentate polyfluorinated benzanilide anions with polyfluoroaromatic compounds
AUTHOR(S): Os'kina, I. A.; Vlasov, V. M.; Yakobson, G. G.
CORPORATE SOURCE: Novosib. Inst. Org. Khim., Novosibirsk, USSR
SOURCE: Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR, Seriya Khimicheskikh Nauk (1981), (5), 100-9
CODEN: IZSKAB; ISSN: 0002-3426
DOCUMENT TYPE: Journal
LANGUAGE: Russian

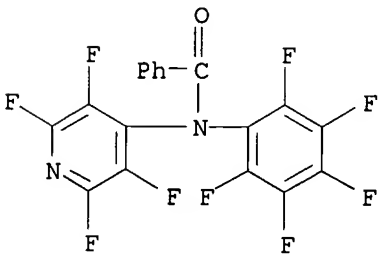
AB RNHCOR1 (R = C6F5, R1 = Ph, C6F5; R = R1 = Ph) were converted to their anions with NaH or LiH and then treated with R2F (R2 = tetrafluoro-4-pyridyl, p-CF3C6F4) and with C6F5CH2Br to give 6 R1CONRR2 and the oligomeric C6F5[CON(C6F5)C6F4-p]nCONHC6F5 (n = 6-8), but no products of reaction at the O center of the ambidentate anions. The reactivity of the latter correlated with their basicity.

IT **80704-30-9P 80704-31-0P 80704-35-4P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and spectra of)

RN 80704-30-9 CAPLUS
CN Benzamide, N-phenyl-N-(2,3,5,6-tetrafluoro-4-pyridinyl)- (9CI) (CA INDEX NAME)

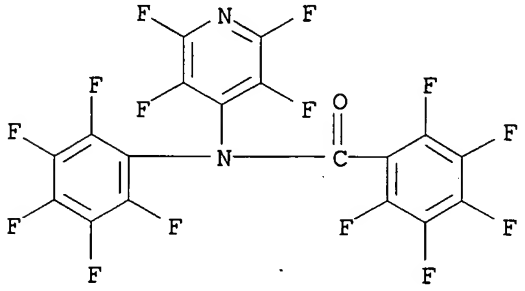


RN 80704-31-0 CAPLUS
CN Benzamide, N-(pentafluorophenyl)-N-(2,3,5,6-tetrafluoro-4-pyridinyl)- (9CI) (CA INDEX NAME)

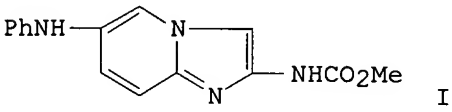


RN 80704-35-4 CAPLUS

CN Benzamide, 2,3,4,5,6-pentafluoro-N-(pentafluorophenyl)-N-(2,3,5,6-tetrafluoro-4-pyridinyl)- (9CI) (CA INDEX NAME)



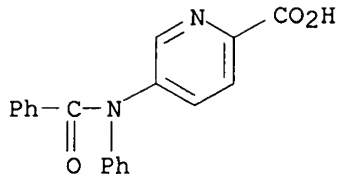
L4 ANSWER 26 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:569072 CAPLUS
DOCUMENT NUMBER: 95:169072
TITLE: Imidazo[1,2-a]pyridine anthelmintics. Synthesis of 6-phenylaminoimidazo[1,2-a]pyridine-2-carbamate and 5-acylaminopyridines by a Chapman rearrangement
AUTHOR(S): Peterson, L. H.; Douglas, A. W.; Tolman, R. L.
CORPORATE SOURCE: Merck Sharp and Dohme Res. Lab., Rahway, NJ, 07065, USA
SOURCE: Journal of Heterocyclic Chemistry (1981), 18(4), 659-62
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



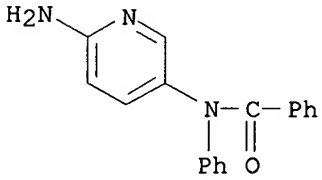
I

AB The title compd. (I) a potential anthelmintic agent, was prepd. in seven steps from 5-hydroxy-2-picoline. The intermediate 5-(N-phenylbenzamido)-2-picoline was prepd. by a facile Chapman rearrangement of the corresponding benzimidoyl ester. Oxidn. and Curtius rearrangement of the substituted picoline gave 5-(N-phenylbenzamido)-2-aminopyridine which underwent ring closure and debenzoylation to furnish I. Fries rearrangement of the penultimate N-benzoyl deriv. gave a 6-(p-benzoylphenylamino)imidazo[1,2-a]pyridine deriv., whose structure was confirmed by NMR study. I lacked significant anthelmintic activity.

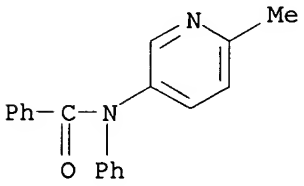
IT **79441-19-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and chlorination of)
RN 79441-19-3 CAPLUS
CN 2-Pyridinecarboxylic acid, 5-(benzoylphenylamino)- (9CI) (CA INDEX NAME)



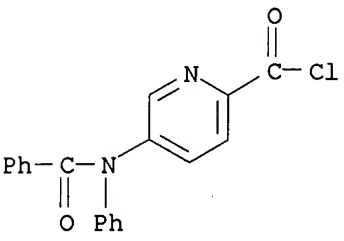
IT **79441-21-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)
RN 79441-21-7 CAPLUS
CN Benzamide, N-(6-amino-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



IT **79441-17-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and oxidn. of)
RN 79441-17-1 CAPLUS
CN Benzamide, N-(6-methyl-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)

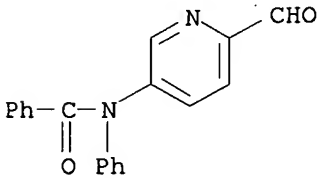


IT **79441-20-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with sodium azide)
RN 79441-20-6 CAPLUS
CN 2-Pyridinecarbonyl chloride, 5-(benzoylphenylamino)- (9CI) (CA INDEX NAME)



IT **79441-18-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 79441-18-2 CAPLUS
CN Benzamide, N-(6-formyl-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 27 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:497849 CAPLUS
DOCUMENT NUMBER: 95:97849
TITLE: Heterocyclic compounds with fungicidal, herbicidal and plant growth regulating properties
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B. V., Neth.
SOURCE: Neth. Appl., 48 pp.
CODEN: NAXXAN
DOCUMENT TYPE: Patent
LANGUAGE: Dutch
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 8004078	A	19810121	NL 1980-4078	19800716
CA 1231710	A1	19880119	CA 1980-353294	19800603
BE 884340	A1	19810116	BE 1980-201427	19800716
SE 8005190	A	19810120	SE 1980-5190	19800716
SE 452544	B	19871207		
SE 452544	C	19880317		
FI 8002258	A	19810120	FI 1980-2258	19800716
FI 76792	B	19880831		
FI 76792	C	19881212		
NO 8002135	A	19810120	NO 1980-2135	19800716
NO 164451	B	19900702		
NO 164451	C	19901010		
DK 8003077	A	19810120	DK 1980-3077	19800716
DK 163907	B	19920421		
DK 163907	C	19920921		
AU 8060440	A1	19810122	AU 1980-60440	19800716
AU 536746	B2	19840524		
FR 2461457	A1	19810206	FR 1980-15679	19800716
FR 2461457	B1	19841116		
JP 56016469	A2	19810217	JP 1980-96326	19800716
JP 02004566	B4	19900129		
BR 8004436	A	19810224	BR 1980-4436	19800716
GB 2056974	A	19810325	GB 1980-23292	19800716
GB 2056974	B2	19840229		
DE 3026926	A1	19810430	DE 1980-3026926	19800716
ES 493416	A1	19810516	ES 1980-493416	19800716
ZA 8004285	A	19810624	ZA 1980-4285	19800716
DD 154468	C	19820324	DD 1980-222670	19800716
AT 8003691	A	19820715	AT 1980-3691	19800716
AT 369950	B	19830210		

HU 26548	O	19830928	HU 1980-1776	19800716
HU 186300	B	19850729		
RO 84716	P	19840717	RO 1980-101724	19800716
IL 60614	A1	19840831	IL 1980-60614	19800716
CH 647649	A	19850215	CH 1980-5467	19800716
SU 1186073	A3	19851015	SU 1980-2950207	19800716
CS 266307	B2	19891213	CS 1980-5048	19800716
GB 2124615	A1	19840222	GB 1983-15625	19830607
GB 2124615	B2	19840718		

PRIORITY APPLN. INFO.: GB 1979-25164 19790719
GB 1980-23292 19800716

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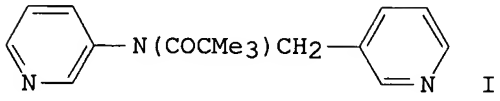


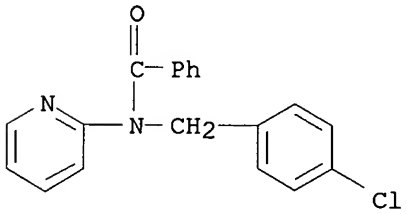
I

AB RR1NCHR2R3 (one of R, R2 = optionally substituted 6-membered heterocycle contg. 1-2 N and the other is the same or optionally substituted Ph; R1 = acyl; R3 = H, alkyl) were prepd. Thus 3-(3-pyridyliminomethyl)pyridine was reduced to the amine and acylated with Me3CCOCl to give I. At 1 kg/ha on barley I gave > 80% protection against Erisyphe graminis. I also had herbicidal activity.

IT **78675-28-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and fungicidal activity of)

RN 78675-28-2 CAPLUS

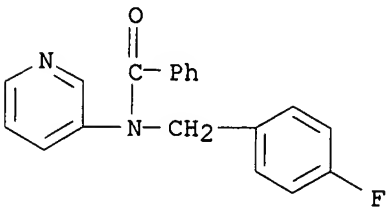
CN Benzamide, N-[(4-chlorophenyl)methyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



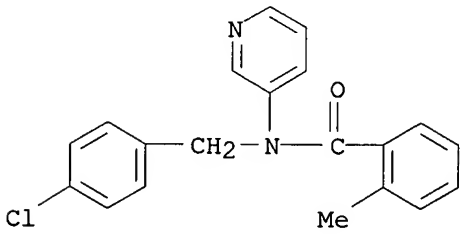
IT **78675-37-3P 78675-58-8P 78675-61-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and fungicidal and herbicidal activity of)

RN 78675-37-3 CAPLUS

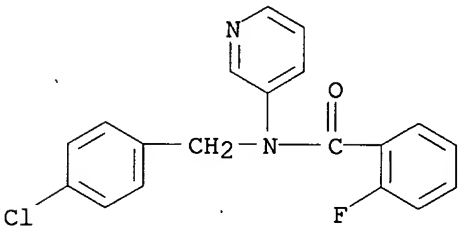
CN Benzamide, N-[(4-fluorophenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



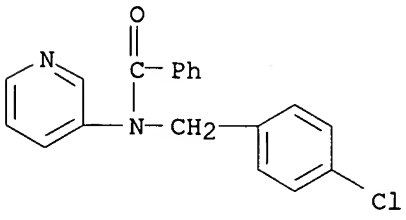
RN 78675-58-8 CAPLUS
CN Benzamide, N-[(4-chlorophenyl)methyl]-2-methyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 78675-61-3 CAPLUS
CN Benzamide, N-[(4-chlorophenyl)methyl]-2-fluoro-N-3-pyridinyl- (9CI) (CA INDEX NAME)

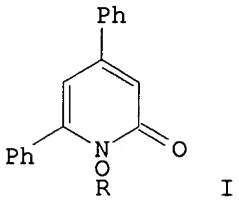


IT **78675-30-6P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and herbicidal activity of)
RN 78675-30-6 CAPLUS
CN Benzamide, N-[(4-chlorophenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 28 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:83897 CAPLUS
DOCUMENT NUMBER: 94:83897
TITLE: N-Oxides and related compounds. Part 60. Novel thermal and photochemical rearrangements of N-substituted 2-pyridones
AUTHOR(S): Katritzky, Alan R.; Chapman, Andrew V.; Cook, Michael J.; Millet, George H.
CORPORATE SOURCE: Sch. Chem. Sci., Univ. East Anglia, Norwich, NR4 7TJ, UK

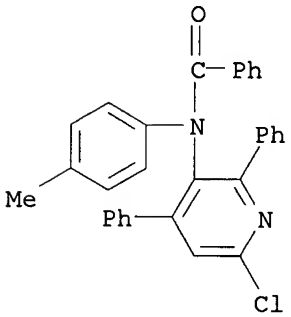
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1980), (12), 2743-54
CODEN: JCPRB4; ISSN: 0300-922X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



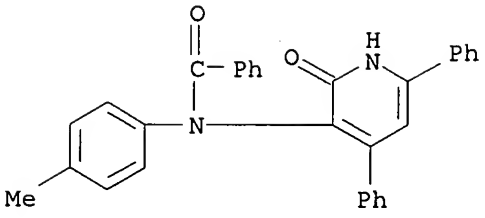
I

AB The photochem. and thermal rearrangements of 4 types of deriv. of I (R = H) were studied. Photolysis or pyrolysis of I [R = (CH2)2Ph, (CH2)2CH:CH2] gave the 3-CH2Ph and 3-CH2CH:CH2 derivs. with elimination of HCHO, whereas I [R = (CH2)7Me] gave the 3-octyloxy deriv. by simple transposition. Acyloxy-compds. I (R = COMe, COCH2Ph, COC6H4Me-o, COC6H4Me-p, COPh) and imidoyloxy-compds. I [R = CPh:NPh, C(C6H4Me-o):NC6H4OMe-p, CPh:NC6H4Me-p] gave the 3- and 5-acyloxy and -amido-2 pyridones, resp. The mechanisms of these reactions are discussed. All involve homolytic N-O fission.

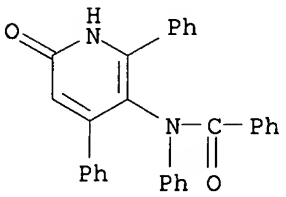
IT **76570-40-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrogenation of)
RN 76570-40-6 CAPLUS
CN Benzamide, N-(6-chloro-2,4-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



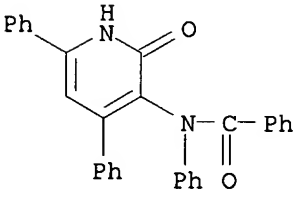
IT **72158-45-3P 76570-34-8P 76570-36-0P**
76570-38-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis of)
RN 72158-45-3 CAPLUS
CN Benzamide, N-(1,2-dihydro-2-oxo-4,6-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



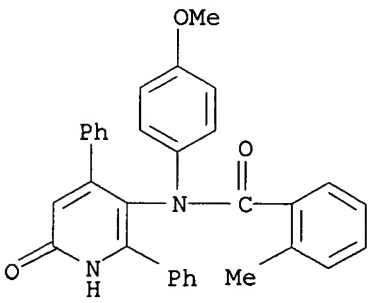
RN 76570-34-8 CAPLUS
CN Benzamide, N-(1,6-dihydro-6-oxo-2,4-diphenyl-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



RN 76570-36-0 CAPLUS
CN Benzamide, N-(1,2-dihydro-2-oxo-4,6-diphenyl-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)

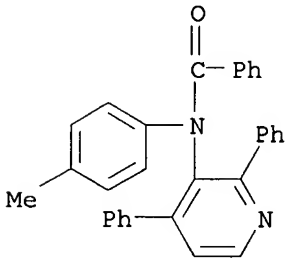


RN 76570-38-2 CAPLUS
CN Benzamide, N-(1,6-dihydro-6-oxo-2,4-diphenyl-3-pyridinyl)-N-(4-methoxyphenyl)-2-methyl- (9CI) (CA INDEX NAME)

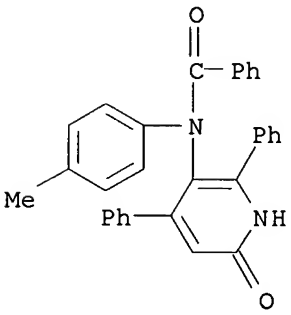


IT **76570-41-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, by hydrogenation of (benzoyltoluidino)chlorodiphenylpyridine)
RN 76570-41-7 CAPLUS

CN Benzamide, N-(2,4-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)

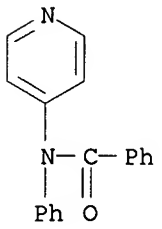


IT **72158-46-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn., hydrolysis, and chlorination of)
RN 72158-46-4 CAPLUS
CN Benzamide, N-(1,6-dihydro-6-oxo-2,4-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)

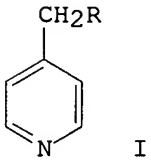


L4 ANSWER 29 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:445466 CAPLUS
DOCUMENT NUMBER: 93:45466
TITLE: Basic methanolysis of N-aryl-N-phenylbenzamides
AUTHOR(S): Broxton, Trevor J.; Deady, Leslie W.; Rowe, Jeffrey E.
CORPORATE SOURCE: Dep. Org. Chem., La Trobe Univ., Bundoora, 3083, Australia
SOURCE: Journal of Organic Chemistry (1980), 45(12), 2404-8
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The mechanism of basic methanolysis of a series of N-aryl-N-phenylbenzamides in methanol and in 80% Me2SO-MeOH was studied. Comparison of Hammet .rho. values with results in the literature suggest than in MeOH the rate-detg. step is solvent-assisted C-N bond breaking while in 80% Me2SO-MeOH it is MeO- attack. The mechanism of basic methanolysis in a given case depends both on the relative basicity of MeO- ion and the aryl amine anion and on steric effects in the intermediate complex.
IT **73333-84-3**
RL: RCT (Reactant); RACT (Reactant or reagent)
(methanolysis of, kinetics of)
RN 73333-84-3 CAPLUS

CN Benzamide, N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



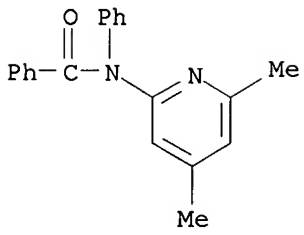
L4 ANSWER 30 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:146559 CAPLUS
DOCUMENT NUMBER: 92:146559
TITLE: Direct side-chain acylamination of 4-picoline 1-oxides and related compounds
AUTHOR(S): Abramovitch, Rudolph A.; Abramovitch, Dorota A.; Tomasik, Piotr
CORPORATE SOURCE: Dep. Chem. Geol., Clemson Univ., Clemson, SC, 29631, USA
SOURCE: Journal of the Chemical Society, Chemical Communications (1979), (21), 956-7
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



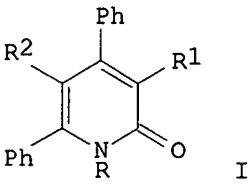
I

AB Reaction of 4-picoline 1-oxides with N-substituted benzimidoyl chlorides and Et3N or 1,5-diazabicyclo[5.4.0]undec-5-ene gave mixts. of side chain benzoylaminated and benzamidophenylated products by rearrangement of intermediate anhydro bases. E.g., 4-picoline 1-oxide with PhC(:NPh)Cl-Et3N gave 18% picoline I (R = NBzPh), 20% I (R = C6H4NHBz-4), and 33% PhNHBz. Similar behavior was obsd. for 2-picoline 1-oxides and 4-methylpyrimidine 3-oxide.

IT **73295-34-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 73295-34-8 CAPLUS
CN Benzamide, N-(4,6-dimethyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 31 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:6372 CAPLUS
DOCUMENT NUMBER: 92:6372
TITLE: Novel thermal and photochemical rearrangements of N-substituted 2-pyridones
AUTHOR(S): Katritzky, Alan R.; Chapman, Andrew V.; Cook, Michael J.; Millet, George H.
CORPORATE SOURCE: Sch. Chem. Sci., Univ. East Anglia, Norwich, UK
SOURCE: Journal of the Chemical Society, Chemical Communications (1979), (9), 395-6
CODEN: JCCCAT; ISSN: 0022-4936
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

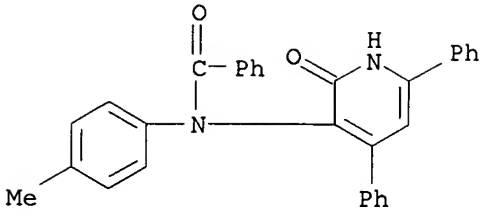


I

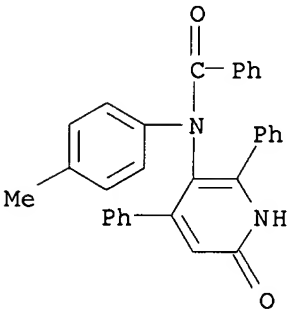
AB Four novel thermal and photochem. rearrangements of 1-substituted 4,6-diphenyl-2-pyridones were obsd. Thermolysis of pyridones I (R = OCH2CH2Ph, OCH2CH2CH:CH2, R1 = R2 = H) gave 26 and 33% I (R = R2 = H, R1 = CH2Ph, CH2CH:CH2, resp.) with elimination of CH2O. I [R = O(CH2)7Me, R1 = R2 = H] gave .ltoreq.5% I [R = R2 = H, R1 = O(CH2)7Me]. Photolysis of I (R = OCPh:NC6H4Me-p, R1 = R2 = H) gave .apprx.20% each of I (R = R2 = H, R1 = NBzC6H4Me-p; R = R1 = H, R2 = p-MeC6H4NBz). Similarly, I (R = O2CC6H4Me-p, R1 = R2 = H) gave .apprx.10% each of I (R = R2 = H, R1 = O2CC6H4Me-p; R = R1 = H, R2 = p-MeC6H4CO2).

IT **72158-45-3P 72158-46-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis of)

RN 72158-45-3 CAPLUS
CN Benzamide, N-(1,2-dihydro-2-oxo-4,6-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



RN 72158-46-4 CAPLUS
CN Benzamide, N-(1,6-dihydro-6-oxo-2,4-diphenyl-3-pyridinyl)-N-(4-methylphenyl)- (9CI) (CA INDEX NAME)



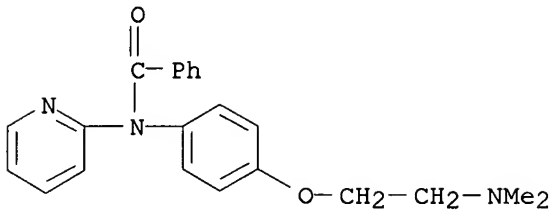
L4 ANSWER 32 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:542784 CAPLUS
DOCUMENT NUMBER: 85:142784
TITLE: Substituted N-arylanilines
INVENTOR(S): Schulenberg, John W.
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: U.S., 14 pp. Division of U.S. 3,625,972.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3960886	A	19760601	US 1970-91515	19701120
US 3625972	A	19711207	US 1968-742161	19680703

PRIORITY APPLN. INFO.: US 1968-742161 19680703

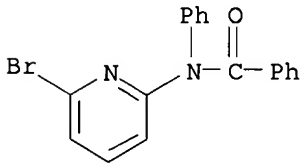
AB PhNR1R2 [R1, R2 = e.g., Ph, 4-(2-morpholinoethoxy)phenyl, 4-MeOC6H4, 4-[Me2N(CH2)3O]C6H4, 2-MeC6H4CO, 2,4-(MeO)2C6H3CO, R3C6H4CO, R3 = 4-Me2N(CH2)2O, 4-[2-(1-pyrrolidinyl)ethoxy]] (.apprx.70 compds.), with hypocholesteremic activity in doses of 100 mg/kg/day, were prepd. via alkylation, acylation, and redn. reactions. Thus, 4-(Me2NCH2CH2)C6H4NPhCOC6H4Cl-4, prepd. by acylation of 4-(Me2NCH2CH2)C6H4NHPh with 4-ClC6H4COX (X = Cl or Br), was reduced with diborane in THF to give PhN(CH2C6H4Cl-4)C6H4(OCH2CH2NMe2)-4.

IT **60709-75-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 60709-75-3 CAPLUS
CN Benzamide, N-[4-[2-(dimethylamino)ethoxy]phenyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)

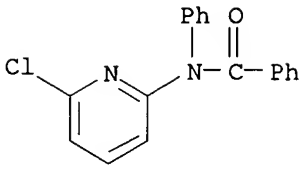


L4 ANSWER 33 OF 46 CAPLUS COPYRIGHT 2003 ACS

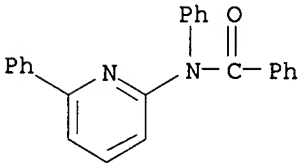
ACCESSION NUMBER: 1976:74053 CAPLUS
DOCUMENT NUMBER: 84:74053
TITLE: Direct side chain amination of picoline 1-oxides. New rearrangement
AUTHOR(S): Abramovitch, Rudolph A.; Bailey, Thomas D.
CORPORATE SOURCE: Dep. Chem., Univ. Alabama, University, AL, USA
SOURCE: Journal of Heterocyclic Chemistry (1975), 12(5), 1079-80
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Adding external base and(or) increasing its proton basicity or concn. during the acylamination of pyridine oxides I (R = H, Cl, cyano, Br, Ph) with PhCCl:NPh increased the yield of acylamination product II and decreased that of 3-chloropyridine III, II (R = Cl) and BzNHPh. When I (R = Me) was treated with PhCCl:NPh in the absence of base, the expected II (R = Me) was obtained, together with 2-(chloromethyl)pyridine (IV) and BzNHPh. As base was added, the yield of II (and IV) dropped to 0 (27% BzNHPh), but V (R = H) was formed. 2,6-Lutidine 1-oxide reacted similarly to give V (R = Me).
IT **58254-73-2P**
RL: PREP (Preparation)
(from acylamination of bromopyridine 1-oxide with phenylbenzimidoyl chloride)
RN 58254-73-2 CAPLUS
CN Benzamide, N-(6-bromo-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



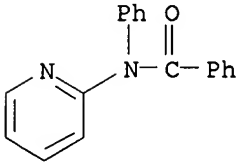
IT **58254-70-9P**
RL: PREP (Preparation)
(from acylamination of chloropyridine 1-oxide with phenylbenzimidoyl chloride)
RN 58254-70-9 CAPLUS
CN Benzamide, N-(6-chloro-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



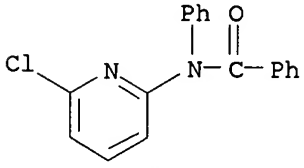
IT **58254-75-4P**
RL: PREP (Preparation)
(from acylamination of phenylpyridine 1-oxide with phenylbenzimidoyl chloride)
RN 58254-75-4 CAPLUS
CN Benzamide, N-phenyl-N-(6-phenyl-2-pyridinyl)- (9CI) (CA INDEX NAME)



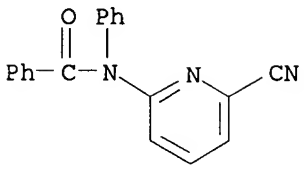
IT **20107-78-2P**
RL: PREP (Preparation)
(from acylamination of pyridine 1-oxide with phenylbenzimidoyl chloride)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



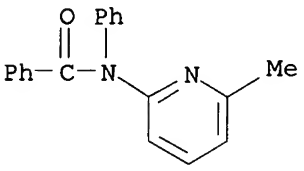
IT **58254-70-9P 58254-72-1P**
RL: PREP (Preparation)
(from acylation of cyanopyridine 1-oxide with phenylbenzimidoyl chloride)
RN 58254-70-9 CAPLUS
CN Benzamide, N-(6-chloro-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



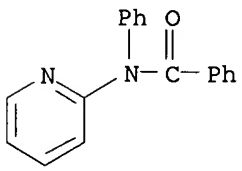
RN 58254-72-1 CAPLUS
CN Benzamide, N-(6-cyano-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



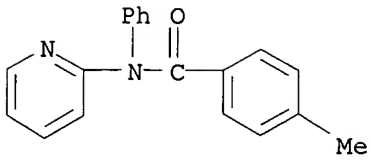
IT **58254-71-0P**
RL: PREP (Preparation)
(from acylation of picoline 1-oxide with phenylbenzimidoyl chloride in absence of base)
RN 58254-71-0 CAPLUS
CN Benzamide, N-(6-methyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



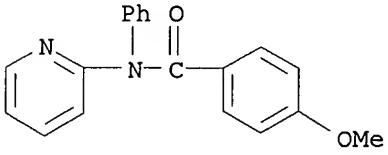
L4 ANSWER 34 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1975:514157 CAPLUS
DOCUMENT NUMBER: 83:114157
TITLE: Direct acylamination of pyridine 1-oxides. Effect of substituents in N-phenylarylimidoyl chloride. Trapping with thiols
AUTHOR(S): Abramovitch, R. A.; Tomasik, P.
CORPORATE SOURCE: Dep. Chem., Univ. Alabama, University, AL, USA
SOURCE: Journal of Heterocyclic Chemistry (1975), 12(3), 501-3
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The substituent effect in p-RC6H4CCl:NPh (R = H, Me, MeO, Cl, NO2) on the nature and yield of products in the reaction with pyridine 1-oxide was detd. When an electron-withdrawing substituent is present no acylamination product is formed and only 2-and 3-chloropyridine are isolated. When benezenethiol is added a respectable yield of 3-phenylthiopyridine is obtained, but alkanethiols gave low yields of 3-alkylthiopyridines.
IT **20107-78-2P 56969-75-6P 56969-76-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 56969-75-6 CAPLUS
CN Benzamide, 4-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



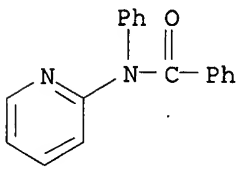
RN 56969-76-7 CAPLUS
CN Benzamide, 4-methoxy-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 35 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:491312 CAPLUS
DOCUMENT NUMBER: 81:91312
TITLE: Direct acylamination of pyridine 1-oxides
AUTHOR(S): Abramovitch, R. A.; Singer, G. M.
CORPORATE SOURCE: Dep. Chem., Univ. Alabama, University, AL, USA
SOURCE: Journal of Organic Chemistry (1974), 39(13), 1795-801
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English

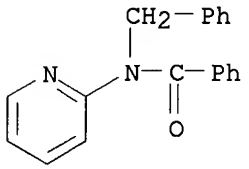
AB Treatment of pyridine 1-oxides with an imidoyl chloride results in the introduction of a tertiary amide function into the .alpha. position of the pyridine ring with concomitant deoxygenation of the N-oxide. A nitrilium salt may be used instead of the imidoyl chloride. The scope and limitations of the reaction were detd. Some less reactive compds. which are structurally related to imidoyl chlorides did not give the substitution products. The mechanism of this reaction involves initial nucleophilic attack by the N-oxide on the imidoyl chloride or nitrilium salt, followed by intramol. nucleophilic addn. of the N atom of the imidoyl chloride or nitrilium salt to the .alpha. position of the pyridine 1-oxide and aromatization.

IT **20107-78-2P 24244-29-9P 51263-26-4P**
51263-28-6P 51263-29-7P 51263-31-1P
51263-36-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)

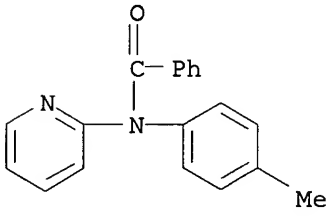


RN 24244-29-9 CAPLUS

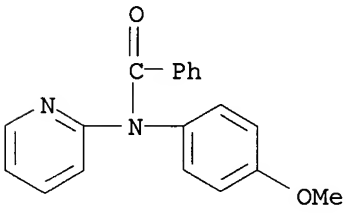
CN Benzamide, N-(phenylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



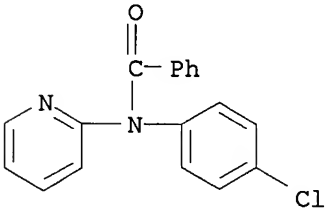
RN 51263-26-4 CAPLUS
CN Benzamide, N-(4-methylphenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



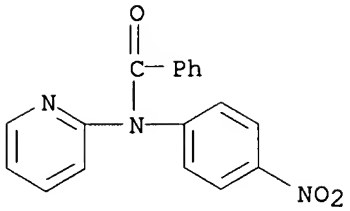
RN 51263-28-6 CAPLUS
CN Benzamide, N-(4-methoxyphenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



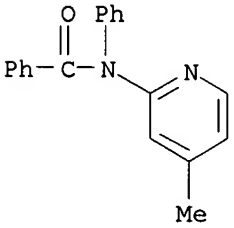
RN 51263-29-7 CAPLUS
CN Benzamide, N-(4-chlorophenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 51263-31-1 CAPLUS
CN Benzamide, N-(4-nitrophenyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 51263-36-6 CAPLUS
CN Benzamide, N-(4-methyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)

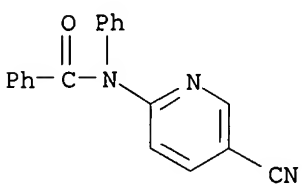


L4 ANSWER 36 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:449533 CAPLUS
DOCUMENT NUMBER: 81:49533
TITLE: Direct acylamination of 3-substituted pyridine-1-oxides. Directive effect of the substituent
AUTHOR(S): Abramovitch, R. A.; Rogers, Richard B.
CORPORATE SOURCE: Dep. Chem., Univ. Alabama, University, AL, USA
SOURCE: Journal of Organic Chemistry (1974), 39(13), 1802-7
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English

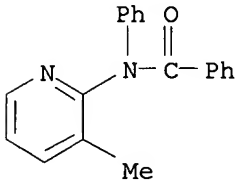
AB The effect of a 3 substituent upon the orientation of the entering group in the direct acylamination of pyridine 1-oxides with N-phenylbenzimidoyl chloride was detd. In the case of electron-attracting substituents (CN, CO2Me) the formation of substantial amounts of 5-chloro deriv. complicates the interpretation. With a 3-mesylamino substituent it is the 6-chloro compd. that is formed as a by-product, and the intermediate 2-acylaminated product cyclizes to 2,3-diphenyl-3H-imidazo[4,5-b] pyridine.

IT **34941-75-8P 51269-72-8P 51269-73-9P 51269-74-0P 51269-75-1P 51269-76-2P 51269-77-3P 51269-78-4P 51269-79-5P 51269-80-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

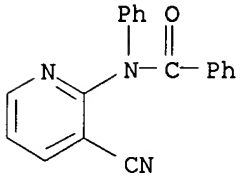
RN 34941-75-8 CAPLUS
CN Benzamide, N-(5-cyano-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



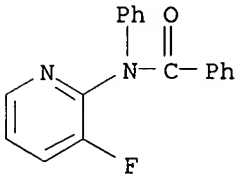
RN 51269-72-8 CAPLUS
CN Benzamide, N-(3-methyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



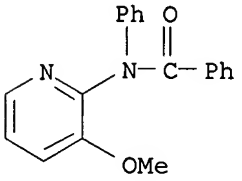
RN 51269-73-9 CAPLUS
CN Benzamide, N-(3-cyano-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



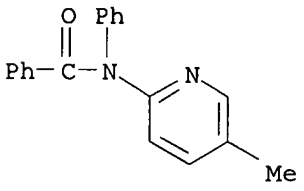
RN 51269-74-0 CAPLUS
CN Benzamide, N-(3-fluoro-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



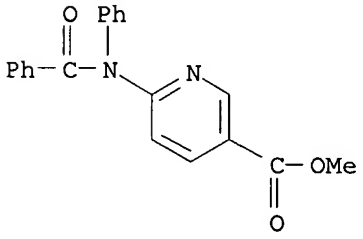
RN 51269-75-1 CAPLUS
CN Benzamide, N-(3-methoxy-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



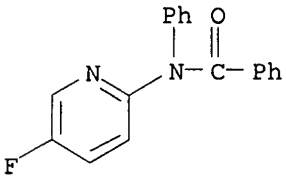
RN 51269-76-2 CAPLUS
CN Benzamide, N-(5-methyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



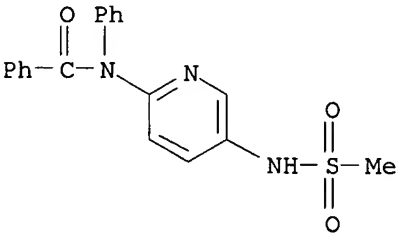
RN 51269-77-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 6-(benzoylphenylamino)-, methyl ester (9CI) (CA INDEX NAME)



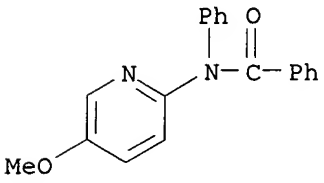
RN 51269-78-4 CAPLUS
CN Benzamide, N-(5-fluoro-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



RN 51269-79-5 CAPLUS
CN Benzamide, N-[5-[(methylsulfonyl)amino]-2-pyridinyl]-N-phenyl- (9CI) (CA INDEX NAME)



RN 51269-80-8 CAPLUS
CN Benzamide, N-(5-methoxy-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 37 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1972:140256 CAPLUS
DOCUMENT NUMBER: 76:140256
TITLE: Antiinflammatory anthranilic acid derivatives
INVENTOR(S): Aries, Robert
SOURCE: Fr. M., 19 pp.

CODEN: FMXXAJ
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 7699		19700223	FR 1968-158911	19680710

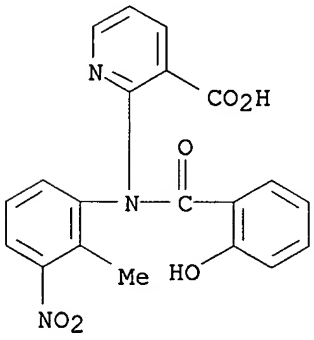
GI For diagram(s), see printed CA Issue.

AB The title compds. (I, e.g., R1 = R2 = Me, R3 = o-HO2CC6H4, R4 = CF3; R1 = Me, R2 = H, R3 = 3-carboxy-2-pyridyl, R4 = CF3; R1 = R2 = H, R3 = 4-carboxy-3-thienyl, R4 = Me, R5 = H or alkyl) were prepd. by the reaction of salicyloyl halides with secondary amines. Many examples were given, but no compds. were characterized.

IT **26694-75-7P 28330-54-3P 35713-72-5P**
35713-73-6P 35713-74-7P 35718-81-1P
35718-83-3P 35718-84-4P 35718-86-6P
35718-87-7P 35718-88-8P 35718-89-9P
35718-90-2P 35718-91-3P 35718-92-4P
35718-93-5P 35718-94-6P 35718-95-7P
35718-96-8P 35839-83-9P 35845-41-1P
35845-43-3P 36480-76-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

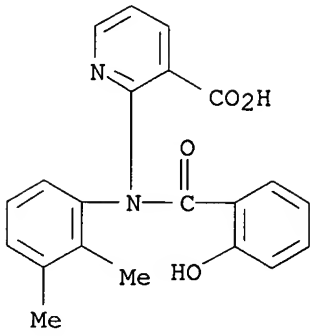
RN 26694-75-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)(2-methyl-3-nitrophenyl)amino]- (9CI) (CA INDEX NAME)

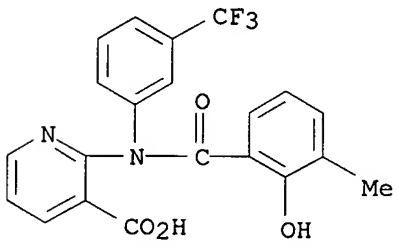


RN 28330-54-3 CAPLUS

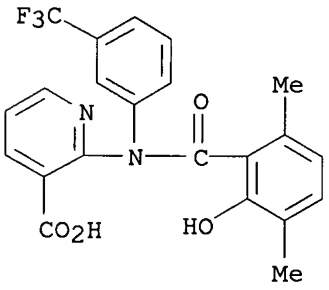
CN 3-Pyridinecarboxylic acid, 2-[(2,3-dimethylphenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



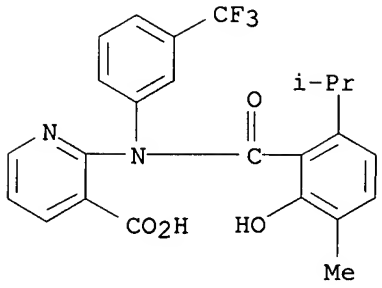
RN 35713-72-5 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxy-3-methylbenzoyl)[3-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



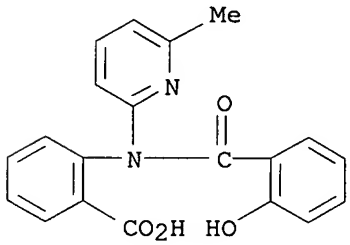
RN 35713-73-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxy-3,6-dimethylbenzoyl)[3-(1-trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



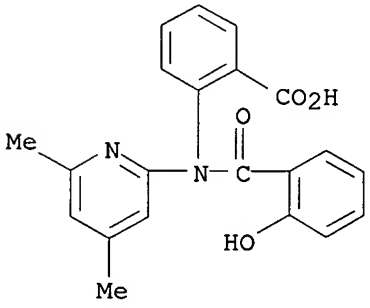
RN 35713-74-7 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[[2-hydroxy-3-methyl-6-(1-methylethyl)benzoyl][3-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



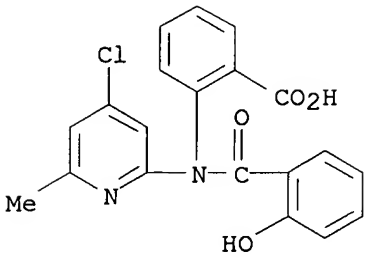
RN 35718-81-1 CAPLUS
CN Benzoic acid, 2-[(2-hydroxybenzoyl)(6-methyl-2-pyridinyl)amino]- (9CI) (CA INDEX NAME)



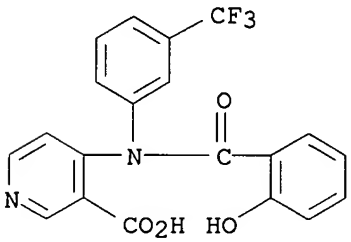
RN 35718-83-3 CAPLUS
CN Benzoic acid, 2-[(4,6-dimethyl-2-pyridinyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



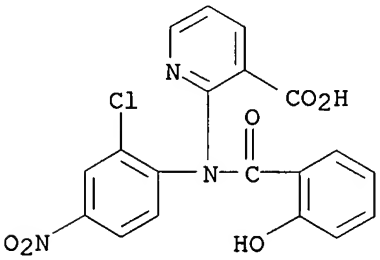
RN 35718-84-4 CAPLUS
CN Benzoic acid, 2-[(4-chloro-6-methyl-2-pyridinyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



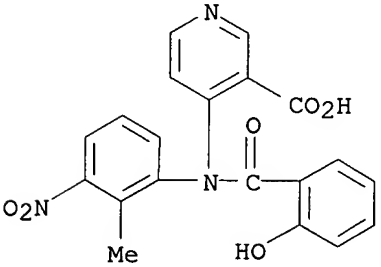
RN 35718-86-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-[(2-hydroxybenzoyl)[3-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 35718-87-7 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-chloro-4-nitrophenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)

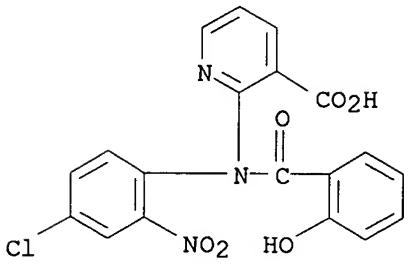


RN 35718-88-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-[(2-hydroxybenzoyl)(2-methyl-3-nitrophenyl)amino]- (9CI) (CA INDEX NAME)

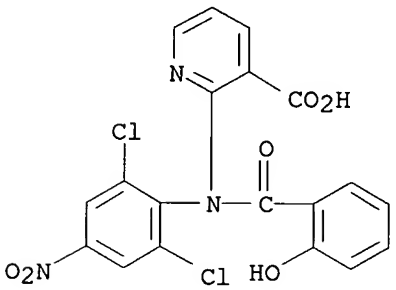


RN 35718-89-9 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(4-chloro-2-nitrophenyl)(2-

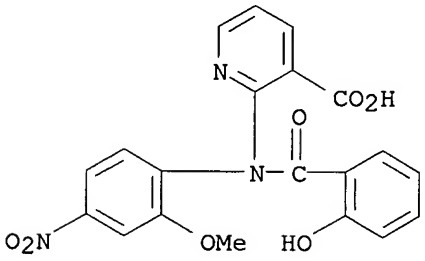
hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



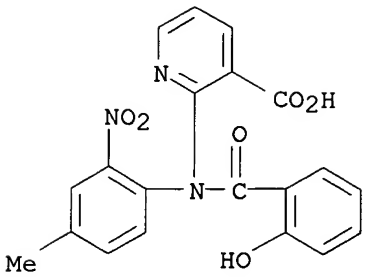
RN 35718-90-2 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2,6-dichloro-4-nitrophenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



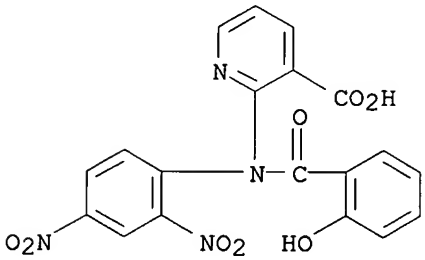
RN 35718-91-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)(2-methoxy-4-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



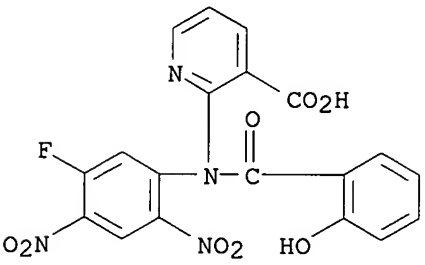
RN 35718-92-4 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)(4-methyl-2-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



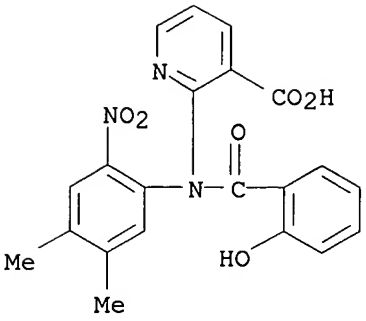
RN 35718-93-5 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2,4-dinitrophenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



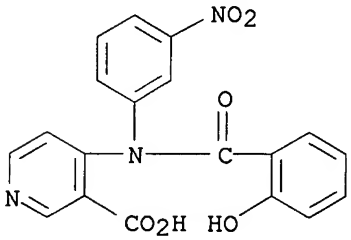
RN 35718-94-6 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(5-fluoro-2,4-dinitrophenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



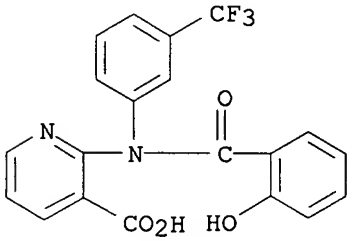
RN 35718-95-7 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(4,5-dimethyl-2-nitrophenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



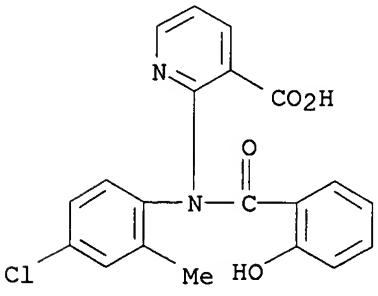
RN 35718-96-8 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-[(2-hydroxybenzoyl)(3-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



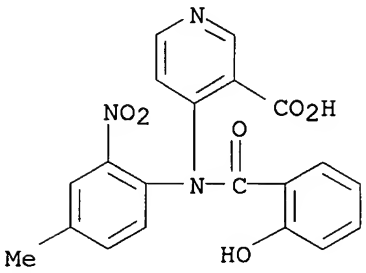
RN 35839-83-9 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)[3-(trifluoromethyl)phenyl]amino]- (9CI) (CA INDEX NAME)



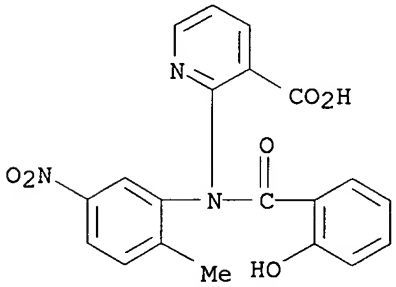
RN 35845-41-1 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(4-chloro-2-methylphenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



RN 35845-43-3 CAPLUS
CN 3-Pyridinecarboxylic acid, 4-[(2-hydroxybenzoyl)(4-methyl-2-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



RN 36480-76-9 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)(2-methyl-5-nitrophenyl)amino]- (9CI) (CA INDEX NAME)

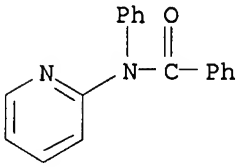


L4 ANSWER 38 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1972:59463 CAPLUS
DOCUMENT NUMBER: 76:59463
TITLE: Producing amide derivatives of pyridine and reducing amides to these corresponding amines
INVENTOR(S): Abramovitch, Rudolph A.; Singer, George M.
PATENT ASSIGNEE(S): Warner-Lambert Co.
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

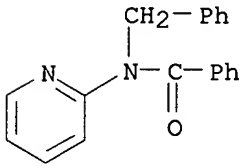
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3624096	A	19711130	US 1969-837325	19690627

PRIORITY APPLN. INFO.: US 1969-837325 19690627
GI For diagram(s), see printed CA Issue.
AB About 10 pyridine derivs. (I, R=Bz, Ph, CH2Ph, C6H4NO2, C6H4Cl, or C6H3-MeCl-,2,3; R1=H, CH2Ph, or Ph; R2=H, CN, or CO2H) were prepd. by alkylamination or arylamination of pyridine N-oxide (II). For example, benzanilide imidoyl chloride and II were refluxed in ClCH2CH2Cl to give I (R=Bz; R1=Ph; R2=H). N-(1-Benzyl-.alpha.-benzimidazolyl)benzanilide was also prepd.

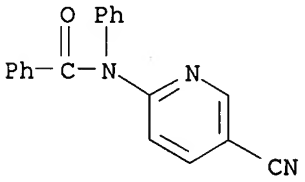
IT **20107-78-2P 24244-29-9P 34941-75-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 24244-29-9 CAPLUS
CN Benzamide, N-(phenylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 34941-75-8 CAPLUS
CN Benzamide, N-(5-cyano-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 39 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1971:463630 CAPLUS
DOCUMENT NUMBER: 75:63630
TITLE: Antiinflammatory 3-substituted 2-pyridone and 2-thiopyridone derivatives
INVENTOR(S): Shen, Tsung-Ying; Walford, Gordon L.; Witzel, Bruce E.
PATENT ASSIGNEE(S): Merck and Co., Inc.
SOURCE: Ger. Offen., 61 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2059358	A	19710609	DE 1970-2059358	19701202
NL 7016899	A	19710607	NL 1970-16899	19701118
JP 49039267	B4	19741024	JP 1970-103716	19701126
CH 577475	A	19760715	CH 1970-17636	19701126
CA 945991	A1	19740423	CA 1970-99369	19701127

GB 1289187	A	19720913	GB 1970-1289187	19701201
FR 2081325	A5	19711203	FR 1970-43348	19701202
FR 2081325	B1	19750110		
US 3846553	A	19741105	US 1971-172319	19710816

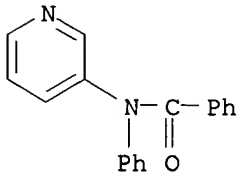
PRIORITY APPLN. INFO.: US 1969-881922 19691203

GI For diagram(s), see printed CA Issue.

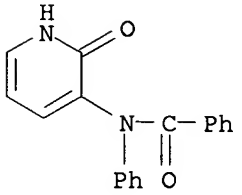
AB Title compds. were prepd. by oxidn. of the appropriately substituted pyridine with peroxide, and heating the pyridine N-oxide formed with an acid anhydride. Treatment of a 2-pyridone compd. with a strong base and addn. of an appropriate aliphatic or aromatic compd. gives N-substituted products, converted by heating with P2S5 into the corresponding N-substituted thiopyridones. Thus, equimolar amts. 3-HOC5H4N and KOH heated at 150.degree. (in a stream of N and the product treated with 3-HOC5H4N and CuCO3 in PhBr, and the mixt. heated 3 hr at 150.degree. and 15 hr at 180.degree. gave 3-PhOC5H4N. This in AcOH heated 15 hr at 75.degree. with 30% H2O2 gave 3-PhOC5H4NO, which refluxed 5 hr in Ac2O gave 3-hphenoxy-2[(1H]-pyridone. trans-3-(o-Chlorostyryl)-2[1H]-pyridone treated with NaH in DMF 2.5 hr at 45.degree. and the ice-cold mixt. treated with BrCH2C.tplbond.CH, then stirred 10 hr at 20.degree. gave I. trans-3-(o-Chlorostyryl)-2[1H]-pyridone in dry C5H5N refluxed with P2S5 gave trans-3-(o-chlorostyryl)-2[1H]-thipyridone.

IT **32967-16-1P 32967-17-2P 33189-60-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

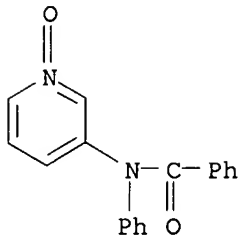
RN 32967-16-1 CAPLUS
CN Benzamide, N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 32967-17-2 CAPLUS
CN Benzanilide, N-(1,2-dihydro-2-oxo-3-pyridyl)- (8CI) (CA INDEX NAME)



RN 33189-60-5 CAPLUS
CN Benzamide, N-(1-oxido-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 40 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1970:509697 CAPLUS
DOCUMENT NUMBER: 73:109697
TITLE: N-Benzoylated derivatives of anilinonicotinic acid
INVENTOR(S): Aries, Robert
SOURCE: Fr., 8 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

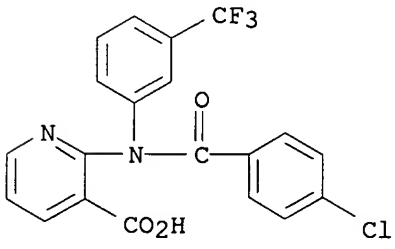
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1584852		19700102	FR	19680930

GI For diagram(s), see printed CA Issue.

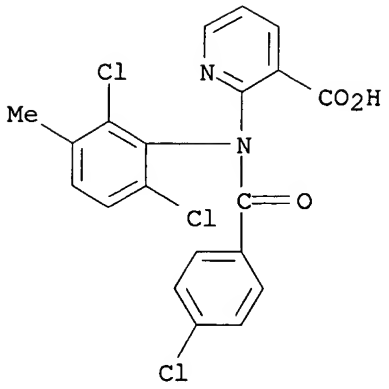
AB The title compds. are prepd. by the action of an acid halide, ClC6H4COX on a secondary amine (I) in which Y and Z represent an N atom or a CH group. Thus, 0.1 mole 2-(3-trifluoromethylanilino)nicotinic acid and 0.1 mole NEt3 stirred at 20.degree. in 800 ml dry C6H6 with gradual addn. of p-ClC6H4COCl and the mixt. stirred 30 min and refluxed 30 min gave 2-[N-(4-chlorobenzoyl)-3-(trifluoromethyl)anilino]nicotinic acid. Similar condensation of 2-(2,3-dimethylanilino)nicotinic acid and p-ClC6H4COCl in Cl2CHCH2Cl in the presence of C5H5N gave 2-[N-(4-chlorobenzoyl)-2,3-dimethylanilino]nicotinic acid. Analogous condensations gave a series of the title compds. with analgesic, antipyretic, antiinflammatory, and antirheumatic properties. No preparative details were given.

IT **28848-04-6P 28848-05-7P 28848-06-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

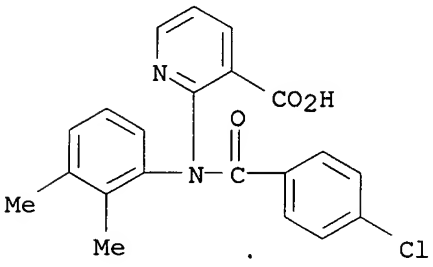
RN 28848-04-6 CAPLUS
CN Nicotinic acid, 2-[p-chloro-N-(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl)benzamido]- (8CI) (CA INDEX NAME)



RN 28848-05-7 CAPLUS
CN Nicotinic acid, 2-[p-chloro-N-(2,6-dichloro-m-tolyl)benzamido]- (8CI) (CA INDEX NAME)



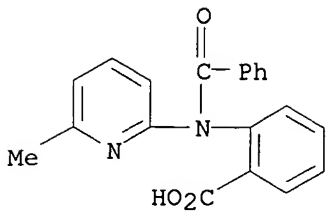
RN 28848-06-8 CAPLUS
CN Nicotinic acid, 2-(p-chloro-N-2,3-xylylbenzamido)- (8CI) (CA INDEX NAME)



L4 ANSWER 41 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1970:509695 CAPLUS
DOCUMENT NUMBER: 73:109695
TITLE: N-Pyridyl or pyrimidinyl anthranilic acids
INVENTOR(S): Aries, Robert
SOURCE: Fr., 9 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1585082		19700109	FR	19680701

GI For diagram(s), see printed CA Issue.
AB 2-Halobenzoic acids are treated with 2-aminopyridines and -pyrimidines to give compds. of the general formula I. Similarly prepd. are II and III. I compds. (14), where R is CH, CMe, or N, R1 is H, Me, or Cl, R2 is H or Cl, R3 is H or Me, and R4 is H, Et, or an alkali metal, are prepd. The I and II and III have potential analgesic, antipyretic, and antiinflammatory activity.
IT **28847-99-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 28847-99-6 CAPLUS
CN Anthranilic acid, N-benzoyl-N-(6-methyl-2-pyridyl)- (8CI) (CA INDEX NAME)



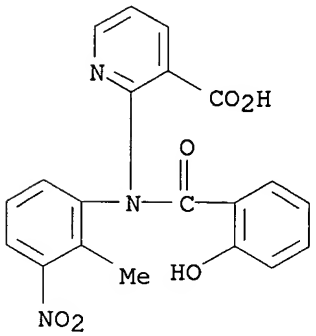
L4 ANSWER 42 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1970:132538 CAPLUS
DOCUMENT NUMBER: 72:132538
TITLE: N-Salicyloyl nitroanilinonicotinic acids
INVENTOR(S): Aries, Robert
SOURCE: Fr., 7 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1580954		19690912	FR	19680610

AB The title compds. are prepd. by treating a salicyloyl halide with anilinonicotinic acid. Thus, a mixt. of 27.3 g 2-(2-methyl-3-nitroanilino)nicotinic acid and 10.1 g Et3N in 2 l. dry C6H6 was treated at ambient temp. with 15.7 g salic yloyl chloride and the mixt. stirred 30 min and refluxed 15 min to give 1- salicyloyl-2-(2-methyl-3-nitroanilino)nicotinic acid (I). The Na, Et2N(CH2)2OH, and morpholine salts of I were prepd.

IT **26694-75-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 26694-75-7 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[(2-hydroxybenzoyl)(2-methyl-3-nitrophenyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 43 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1970:78884 CAPLUS
DOCUMENT NUMBER: 72:78884
TITLE: Analgesic N-salicyloyl anilinonicotinic acids
INVENTOR(S): Aries, Robert

SOURCE: Fr., 3 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1564849		19690425	FR	19680311

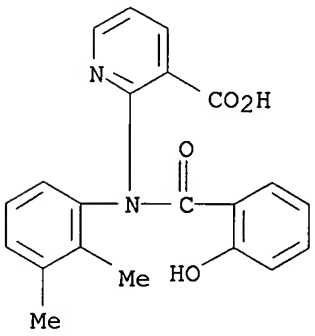
GI For diagram(s), see printed CA Issue.

AB The title compds., with analgesic, antipyretic, antiinflammatory, and antirheumatic properties, are prepd. by treatment of an anilinonicotinic acid by a saliyloyl halide or 3-methylsalicyloyl halide. Thus, 2 l. dry C6H6 contg. 24.2 g 2-(2,3-dimethylanilino)nicotinicacid and 10.1 g NEt3 stirred at 20.degree. with dropwise addn. of 15.7 g salicyloyl chloride and the mixt. stirred 30 min and refluxed 15 min gave 2-(N-salicyloyl-2,3-dimethyanilino)nicotinic acid (I). I (36.3 g) in 500 ml abs. alc. treated with 4 g NaOH in H2O andboiled, the soln. adjusted by pH 9 and evapd. gave the correspondingNa salt. By use of Et2NCH2CH2OH and morpholine the corresponding salts of the acid were prepd. similarly.

IT **28330-54-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 28330-54-3 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[(2,3-dimethylphenyl)(2-hydroxybenzoyl)amino]- (9CI) (CA INDEX NAME)



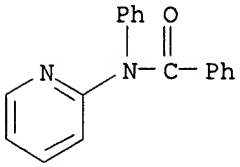
L4 ANSWER 44 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1969:501662 CAPLUS
DOCUMENT NUMBER: 71:101662
TITLE: Direct alkyl and aryl amination of heteroaromatic nitrogen compounds
AUTHOR(S): Abramovitch, Rudolph A.; Singer, G. M.
CORPORATE SOURCE: Univ. of Alabama, University, AL, USA
SOURCE: Journal of the American Chemical Society (1969), 91(20), 5672-3
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English

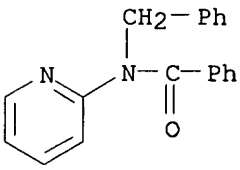
GI For diagram(s), see printed CA Issue.

AB Pyridine N-oxides (I), where R1 is H and Me, are treated with benzimidoyl chlorides PhC(Cl): NR to give 2-benzamidopyridines (II). The (II) are converted to aminopyridines (III), where R is anaryl or aralkyl group. Similarly prepd. is IV.

IT **20107-78-2P 24244-29-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20107-78-2 CAPLUS
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 24244-29-9 CAPLUS
CN Benzamide, N-(phenylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



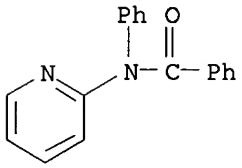
L4 ANSWER 45 OF 46 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1968:496598 CAPLUS
DOCUMENT NUMBER: 69:96598
TITLE: Reactions of .alpha.-arylazo-.alpha.-chloroacetic acid esters with cyclic tertiary bases
AUTHOR(S): Fusco, Raffaello; Dalla Croce, Piero; Salvi, Annibale
CORPORATE SOURCE: Univ. Milano, Milan, Italy
SOURCE: Gazzetta Chimica Italiana (1968), 98(5), 511-34
CODEN: GCITA9; ISSN: 0016-5603
DOCUMENT TYPE: Journal
LANGUAGE: Italian
GI For diagram(s), see printed CA Issue.
AB I, II, III, IV, and V are prepd. from ArNHN:CClCO2R (VI); also prepd. are VII. Thus, a soln. of 85 g. AcCH2CO2Bu-tert in 250 ml. CHCl3 is boiled, 67 g. SO2Cl2 is slowly added, and the mixt. is refluxed 1 hr. to give 70% AcCHClCO2Bu-tert (VIII), b18 92.degree.. A soln. of 21 g. PhNH2 in 100 ml. 15% HCl is cooled to 0.degree., treated with 18 g. NaNO2 in 30 ml. water, agitated 15 min., treated with NaHCO3 to give pH 5-6, treated with a soln. of 43 g. VIII in 300 ml. MeOH, treated with 17 g. NaOAc, kept cold 4 hrs., and refrigerated overnight to give 90% PhNHN:CClCO2Bu-tert (IX), m. 88.degree.. Similarly prepd. are the following: VI (R = tert-Bu) (Ar and m.p. given): o-ClC6H4, 53.5.degree.; p-ClC6H4, 102.degree.; 2,4-Me2C6H3, 59.degree.. A mixt. of 4 g. IX and 5 ml. quinoline is heated 15 min. at 170-80.degree., treated with 10% HCl, and extd. with 50 ml. C6H6; the ext. is worked up to give N-phenyl-N-cyano-2-aminoquinoline (X), m. 119.degree.. Similarly prepd. are the following I (R = CN) (Ar, R1, b.p./mm., and m.p. given): Ph, Me, -, 108.degree., o-ClC6H4, H, 160.degree./0.01, -; p-ClC6H4, H, -, 130.degree.; 2,4-Me2C6H3, H, -, 119.degree.. Prepd. are II (R = CN) (Ar, R1, R2, and m.p. given): Ph, H, H, 52.degree.; Ph, Me, H, -; Ph, Me, Me, - (b0.1 120.degree.); Ph, Ph, H, 92.degree.; o-ClC6H4, H, H, 116.degree. (b0.2 170.degree.); p-ClC6H4, H, H, 105.degree.; 2,4-Me2C6H3, H, H, 58.degree.; and N-phenyl-N-cyano-1-aminoisoquinoline, b0.1 170.degree., m. 78.degree.. A soln. of 2 g. X in

20 ml. EtOH contg. 3 ml. 35% NaOH is refluxed 2 hrs. to give 2-anilinoquinoline, m. 98.degree.. Similarly prepd. are I (R = H, Ar = Ph, R1 = Me), m. 129.degree., and the following II (R = H, Ar = Ph) (R1, R2, and m.p. given): H, H, 108.degree.; Me, H, 115.degree.; Me, Me, - (b0.8 180.degree.); Ph, H, 118.degree.. Ir data for the I and II, where R is H and CN, are given. VI (Ar = Ph, R = Et) (16 g.) is treated with 30 ml. quinoline and 7.1 g. Et3N to give 90% III (1-carbethoxy-3-phenyl-3a,10-dihydro-s-triazolo[4,3-a]quinoline), m. 123.degree.; perchlorate m. 203.degree.; HCl salt m. 163.degree.. Similarly prepd. are (m.p. given): 3-phenyl-s-triazolo[4,3-a]quinolin-10-ium perchlorate [IV, R = R1 = H, (R2R3 =) CH:CHCH:CH, X = ClO4] (XI), 264.degree.; IV (R = H, R1 = Me, (R2R3 =) CH:CHCH:CH, X = Cl), 264.degree.; V, 206.degree.; IV (R = R1 = R2 = R3 = H, X = ClO4), 156.degree.. A soln. of 10 g. III in 50 ml. HOAc is treated at 60.degree. with 2 g. K2Cr2O7 in 20 ml. 75% HOAc to give 85% [R = CO2Et, R1 = H, (R2R3 =) CH:CHCH:CH, X = ClO4] (XII), m. 185.degree. (decompn.). A mixt. of 4.17 g. XII and 5 ml. quinoline is heated at 160.degree. to give X, m. 119.degree., and N-ethylquinolinium perchlorate, m. 104.degree.. Similarly, XI gives X, m. 119.degree.. A soln. of 2 g. XI in 50 ml. water contg. 10 ml. 10% NaOH is prepd. and extd. with MeCOPr to give 1-cyano-2-quinoline anil (VII, R = CN, X = NPh, R1 = H) (XIII), m. 149.degree.. Similarly prepd. are (m.p. given): VII (R = CN, X = NPh, R1 = Me) (XIV), 154.degree., and 2-cyano-1-isoquinolone anil, 96.degree.. XIII (0.3 g.) is heated at 160.degree. to give 95% X, m. 119.degree.. A soln. of 0.3 g. XIII in 10% NaOH (alc.) is boiled 1 hr. to give 2-anilnoquinoline, m. 97.degree.. XIV (1 g.) in 25 ml. EtOH is heated 1 hr. with 5 ml. 10% HCl to give VII (R = CN, X = O, R1 = Me) (XV), m. 176.degree.. XV is treated with NaOH to give VII (R = H, X = O, R1 = Me), m. 222.degree.. Ir spectral data for XV is given. A soln. of 3 g. III in 30 ml. 10% HCl is refluxed 2 hrs. to give quinoline and HCO2H. A mixt. of 2.5 g. III-HCl and 5 ml. quinoline is heated at 160.degree. to give gaseous products (CO2 and EtCl) and 70% X, m. 119.degree..

IT **20107-78-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 20107-78-2 CAPLUS

CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



L4 ANSWER 46 OF 46 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1966:412224 CAPLUS
DOCUMENT NUMBER: 65:12224
ORIGINAL REFERENCE NO.: 65:2231a-h
TITLE: Aminopyridines
PATENT ASSIGNEE(S): Deutsche Gold- und Silber-Scheideanstalt vorm. Roessler
SOURCE: 19 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

NL 65011104		19660301	NL	
PRIORITY APPLN. INFO.:			DE	19640829

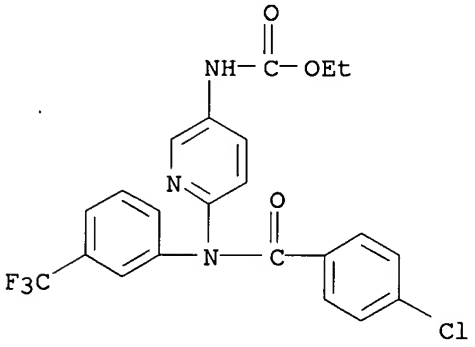
AB Antiphlogistic compds. I may be prepd. by reaction of a 2-aminopyridine with a suitable halo- or aminopyridine, or benzene, or hydroxy-, or alkoxybenzene. Thus, 158.5 g. 2-chloro-5-nitropyridine was added to 186 g. aniline heated at 180.degree. and kept 5 min. to give 2-phenylamino-5-nitropyridine, m. 136.degree.. Also prepd. by conventional methods were: 2-[N-phenyl-N-(propionylamino)]-5-(acetamido)pyridine, m. 146-8.degree.; 2-[N-phenyl-N-(propionylamino)]-5-(propionylamino)]pyridine, m. 124.degree.; Et N-phenyl-N-[5-(acetamido)-2-pyridyl]carbamate, m. 160.degree.; Et N-phenyl-N-[5-(propionylamino)-2-pyridyl] carbamate, m. 159.degree.; Et N-phenyl-N-[5-(carbethoxyamino)-2-pyndyl]carbamate, m. 92.degree.; 2-[-phenyl-N-(4-chlorobenzamido)]-5-carboxyaminopyridine, m. 190.degree.; 2-[3-(trifluoromethyl)phenylamino]-5-nitropyridine, m. 178.degree.; 2-[N-3-(trifluoromethyl)phenyl-N-(propionylamino)]-5-propionylaminopyridine, m. 118.degree.; Et N-[3-(trifluoromethyl)-phenyl]-N-[5-(acetamido)-2-pyridyl]carbamate, m. 136.degree.; Et N-[3-(trifluoromethyl)phenyl]-N-[5-(carbethoxyamino)-2-pyridyl]-carbamate, m. 100-2.degree.; 2-N-[3-(trifluoromethyl)phenyl]-(4-chlorobenzamido)-5-carbethoxyaminopyridine, m. 135.degree.; 2-[4-(pentyloxy)phenylamino]-5-nitropyridine, m. 99.degree.; 2-phenyl-amino-3-chloropyridine, m. 49-50.degree.; 2-[3-methyl-2-pyridylami-no]-5-chloropyridine, m. 68-9.degree.; 2-(phenylamino)-5-aminopyridine, m. 136.degree.; 2-(phenylamino)-5-(acetamido)pyridine, m. 177.degree.; 2-(phenylamino)-5-(propionylamino)pyridine, m. 172.degree.; Et N-[2-(phenylamino)-5-pyridyl]carbamate, m. 141.degree.; 2-[3-(tri-fluoromethyl)phenylamino]-5-aminopyridine, m. 115.degree.; 2-[3-(trifluoromethyl)phenylamino]-5-(acetamido)pyridine, m. 196.degree.; 2- [3-(trifluoromethyl)phenylamino]-5-(propionylamino)pyridine, m. 166.degree.; Et N-[2-[3-(trifluoromethyl)phenylamino]-5-pyridyl]carbamate, m. 175.degree.; N-[2-[3-(trifluoromethyl)phenylamino]-5-pyridyl]carbamide morpholide, m. 84-6.degree.; Et N-[2-[3-(trifluoromethyl)phenylamino]-5-pyridyl]carbamate morpholide m. 200.degree.; 2-[4-(pentyloxy)phenylamino]-5-aminopyridine, b0.5 225-35.degree.; 2-[4-(pentyloxy)phenylamino]-5-(acetamido)pyridine, m. 167.degree.; 2-(phenylamino)-5-(salicyloylamino)pyridine, m. 171.degree.; 2-[2- (methylphenylamino)]-5-aminopyridine, b0.2 178-85.degree.; Et N-[2-[2-methylphenylamino]-5-pyridyl]carbamate, m. 128.degree.; 2-[2,3-dimethylphenylamino]-5-aminopyridine, b0.7 200-5.degree., m. 105.degree.; Et N-[2-(2,3-dimethylphenylamino)-5-pyridyl]carbamate, m. 128.degree.; 2-(2,3-dimethylphenylamino)-5-[(morpholinocarbonyl)- amino] pyridine, m. 166.degree.; N,N-diallyl-N'-(2,3-dimethylphenyl-amino)-5-pyridyl urea, m. 143.degree.; 2-[4-(fluorophenyl)amino]-5-aminopyridine, m, 141.degree.; 2-[4-(fluorophenyl)amino]-5-(carbethoxyamino)pyridine, m. 138.degree.; 2-[4-[(morpholinoethoxy)phenyl]-amino]-5-aminopyridine, b0.5 285-90.degree.; 2-[4-[(morpholinoethoxy)phenyl] amino]-5-(acetamido)pyridine, m. 144.degree.; 2-[3- (butylcarbamoyl)phenyl]amino]-5-aminopyridine, -, Et N-2-[3-[(butylcarbamoyl)phenyl]amino]-5-pyridyl]carbamate, m. 163.degree.; 2-[2-methoxy-5-(chlorophenyl)amino]-5-aminopyridine, b0.5 190-5.degree.; 2-[2-methyl-5-(chlorophenyl)amino]-5-(carbethoxy-amino)pyridine, m. 123.degree.; 2-[o-(carboxyphenyl)amino]-3-amino-5-chloropyridine, m. 248.degree.; 2-[o-(carboxyphenyl)amino]-3-(p-chlorobenzamido)-5-chloropyridine, m. 274.degree.; 2-phenylamino-3-amino-5-chloropyridine, m. 144-5.degree.; 2-phenylamino-3-acetamido-5-chloropyridine, m. 130-3.degree.; 2,3-diamino-6-[3-(trifluoromethyl)-phenylamino]pyridine, m. 300.degree. (decompn.); 2-amino-3-(carbethoxyamino)-6-[3-(trifluoromethyl)anilino]pyridine, m. 185-92.degree.; 2,3,diamino-6-[2-(pyridyl)amino]pyridine, m.>300.degree. (decompn.); 2-anilino-3-amino-6-chloropyridine, m. 232-3.degree.; 2-anilino-3-(carbethoxyamino)-6-chloropyridine, m. 130-1.degree.;

2-anilino-3-amino-6-methoxypyridine, m. 210.degree. (decompn.); 2-anilino-3,6-bis(carbethoxyamino)pyridine hydrochloride, m. 176-8.degree.; 2,3-diamino-6-anilinopyridine, m. 144.degree.; 2-amino-3-(carbethoxyamino)-6-anilinopyridine hydrochloride, m. 208-9.degree..

IT **6604-77-9**, 3-Pyridinecarbamic acid, 6-[p-chloro-N-(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl)benzamido]-, ethyl ester
6605-16-9, 3-Pyridinecarbamic acid, 6-(p-chloro-N-phenylbenzamido)- (prepn. of)

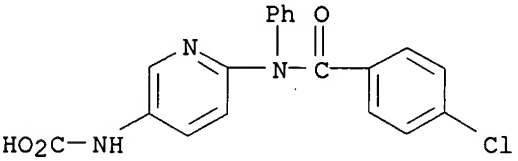
RN 6604-77-9 CAPLUS

CN 3-Pyridinecarbamic acid, 6-[p-chloro-N-(.alpha.,.alpha.,.alpha.-trifluoro-m-tolyl)benzamido]-, ethyl ester (7CI, 8CI) (CA INDEX NAME)



RN 6605-16-9 CAPLUS

CN 3-Pyridinecarbamic acid, 6-(p-chloro-N-phenylbenzamido)- (7CI, 8CI) (CA INDEX NAME)



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CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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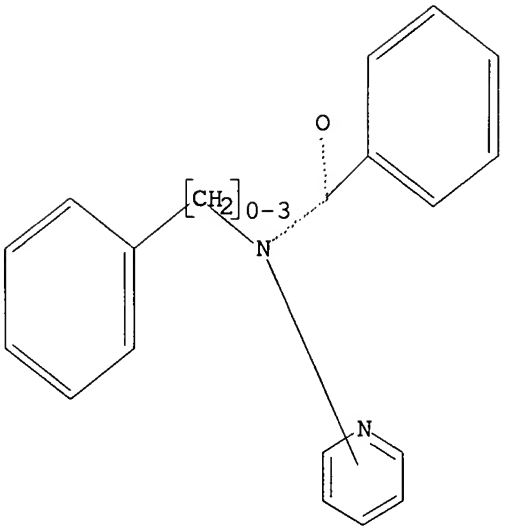
L1 STR



Structure attributes must be viewed using STN Express query preparation.
L3 254 SEA FILE=REGISTRY SSS FUL L1
L5 15 SEA L3

=> d 15 1-15 ibib abs hitstr

L5 ANSWER 1 OF 15 USPATFULL
ACCESSION NUMBER: 2003:38215 USPATFULL
TITLE: Amino-and amido-diphenyl ethers
INVENTOR(S): Haning, Helmut, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Pernerstorfer, Josef, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Schmidt, Gunter, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Woltering, Michael, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Bischoff, Hilmar, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Vohringer, Verena, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Kretschmer, Axel, Wuppertal, GERMANY, FEDERAL REPUBLIC OF
Faeste, Christiane, Haan, GERMANY, FEDERAL REPUBLIC OF

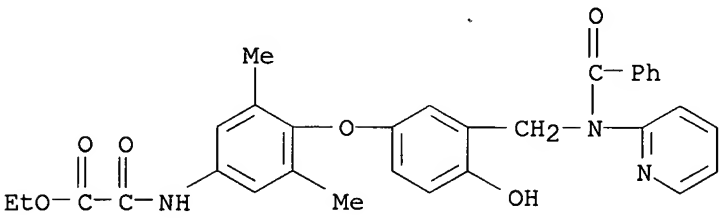
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003027862	A1	20030206	
	US 6555580	B2	20030429	
APPLICATION INFO.:	US 2001-918741	A1	20010731	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10038007	20000804

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Jeffrey M. Greenman, Patents and Licensing, Bayer Corporation, 400 Morgan Lane, West Haven, CT, 06516
NUMBER OF CLAIMS: 10

EXEMPLARY CLAIM: 1
LINE COUNT: 2113
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to novel amino- and amido-diphenyl ethers, processes for their preparation and their use in pharmaceuticals, in particular for the indications of arteriosclerosis and hypercholesterolaemia.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **398523-54-1P**
(prepn. of di-Ph ether amides, oxamides, and ureas for treatment of arteriosclerosis and hypercholesterolemia)
RN 398523-54-1 USPATFULL
CN Acetic acid, [[4-[3-[(benzoyl-2-pyridinylamino)methyl]-4-hydroxyphenoxy]-3,5-dimethylphenyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 15 USPATFULL
ACCESSION NUMBER: 2003:26366 USPATFULL
TITLE: Aminocarbonyl-substituted benzimidazoles having tryptase-inhibitory activity
INVENTOR(S): Anderskewitz, Ralf, Bingen, GERMANY, FEDERAL REPUBLIC OF
Braun, Christine, Giubiasco, SWITZERLAND
Briem, Hans, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Disse, Bernd, Mainz, GERMANY, FEDERAL REPUBLIC OF
Hoenke, Christoph, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
Jennewein, Hans Michael, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Speck, Georg, Ingelheim, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma KG, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6512000	B1	20030128	
APPLICATION INFO.:	US 2000-634958		20000808	(9)

	NUMBER	DATE	
PRIORITY INFORMATION:	DE 1999-19939463	19990820	
	US 1999-153423P	19990910	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Raymond, Richard L.
ASSISTANT EXAMINER: Balasubramanian, Venkataraman
LEGAL REPRESENTATIVE: Raymond, Robert P., Stempel, Alan R., Devlin, Mary-Ellen M.
NUMBER OF CLAIMS: 17

EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 4308
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

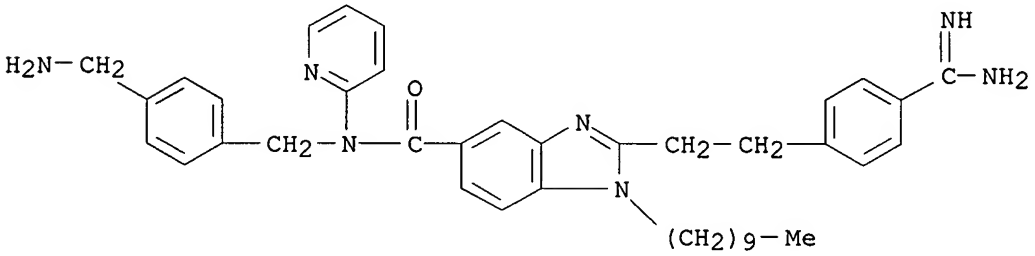
AB A method for treating diseases in which tryptase inhibitors may be of thereapeutic value, which comprises the administration of a thereapeutic amount of a compound of the formula

##STR1##

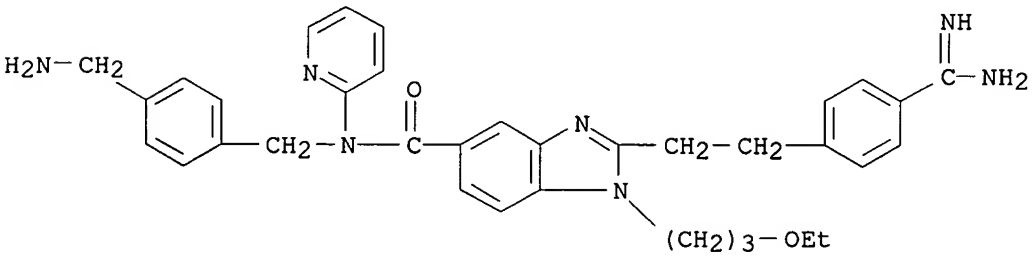
The invention also comprises novel compounds of the formula (I). Exemplary is 2-[2-(4-amidinophenyl)ethyl]-1-methyl-benzimidazol-5-yl-carboxylic acid-N-(pyridin-3-yl-methyl)-N-methyl-amide-hydrochloride.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **326860-97-3P 326860-98-4P 326860-99-5P**
326861-00-1P 326861-01-2P 326861-02-3P
326861-03-4P 326861-04-5P 326861-05-6P
326861-06-7P 326861-07-8P 326861-08-9P
326861-09-0P 326861-10-3P 326861-11-4P
326861-12-5P 326861-13-6P 326861-14-7P
326861-15-8P 326861-16-9P 326861-17-0P
326861-18-1P 326861-19-2P 326861-20-5P
326861-21-6P 326861-22-7P 326861-23-8P
326861-24-9P 326861-25-0P
(prepn. of (amidinophenylethyl)methylbenzimidazolecarboxamides as tryptase inhibitors)

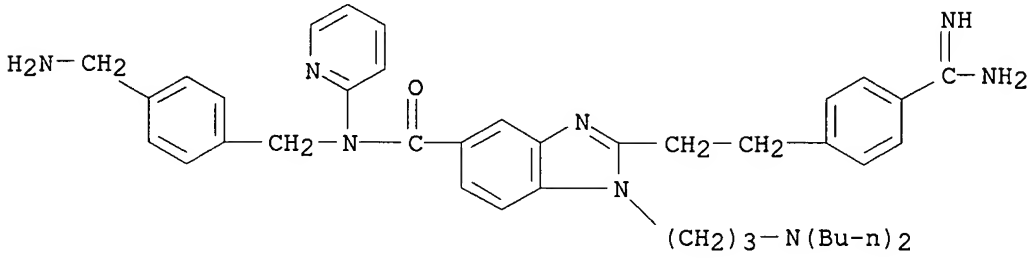
RN 326860-97-3 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-decyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



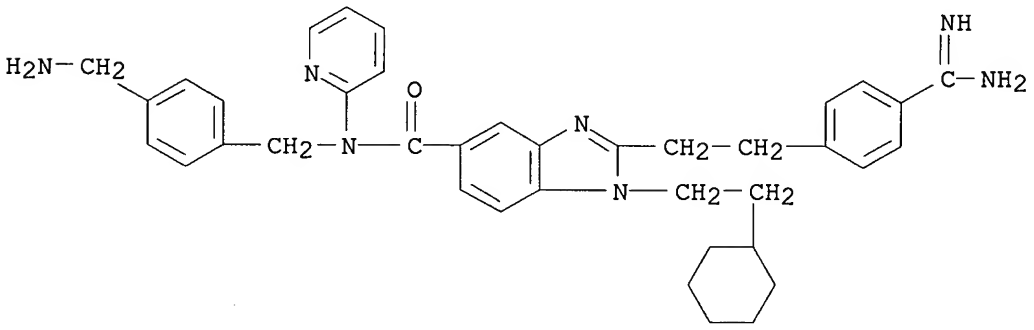
RN 326860-98-4 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(3-ethoxypropyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



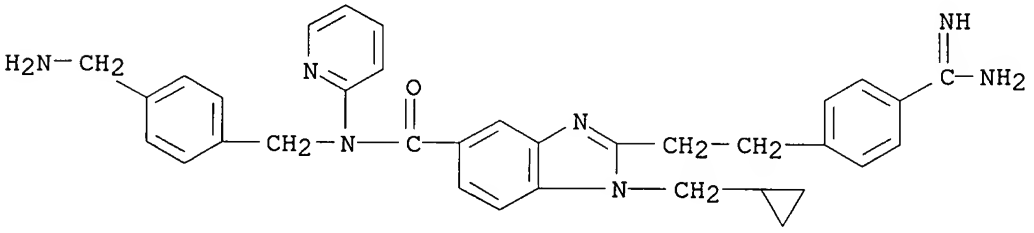
RN 326860-99-5 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(dibutylamino)propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



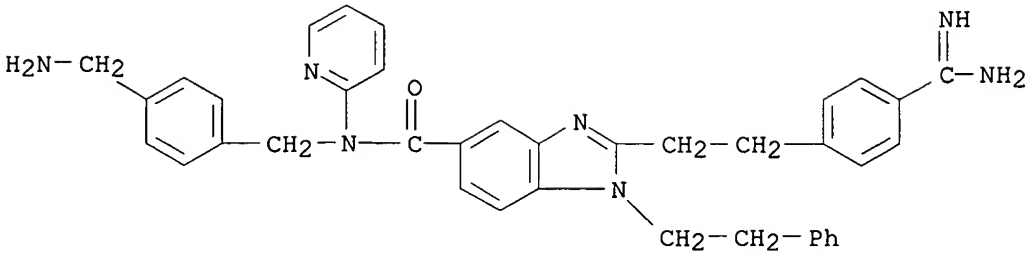
RN 326861-00-1 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-cyclohexylethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



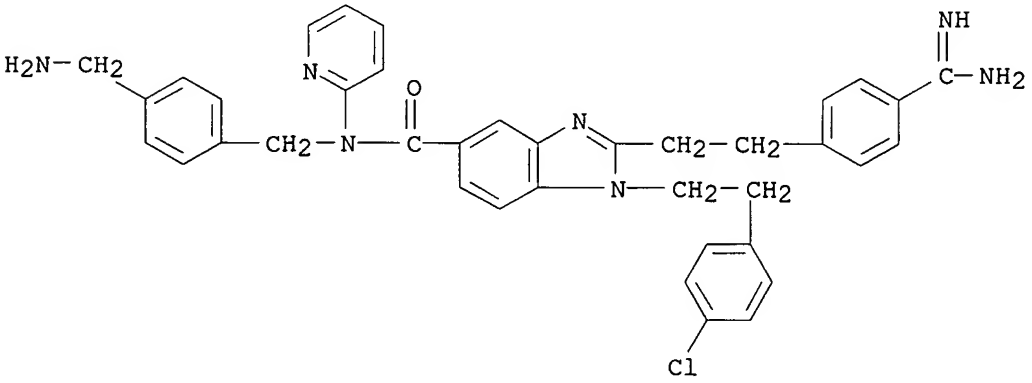
RN 326861-01-2 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(cyclopropylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



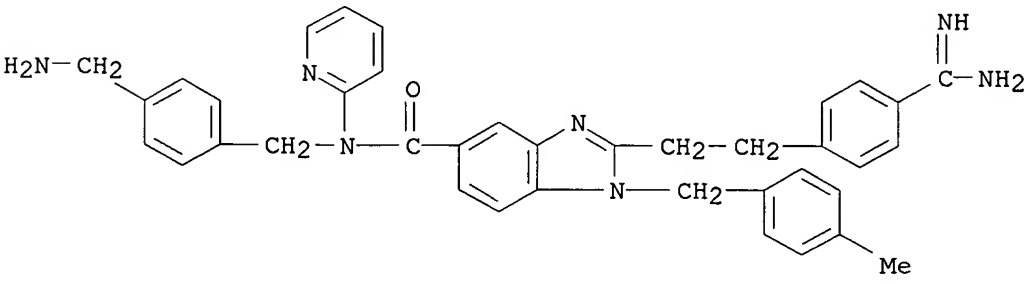
RN 326861-02-3 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-phenylethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



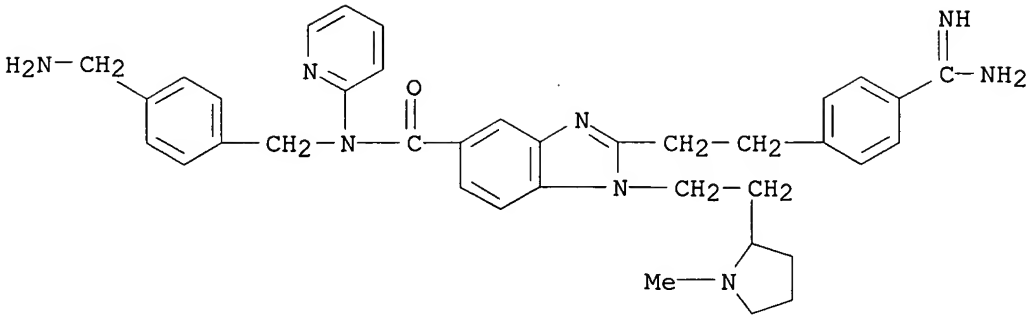
RN 326861-03-4 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(4-chlorophenyl)ethyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



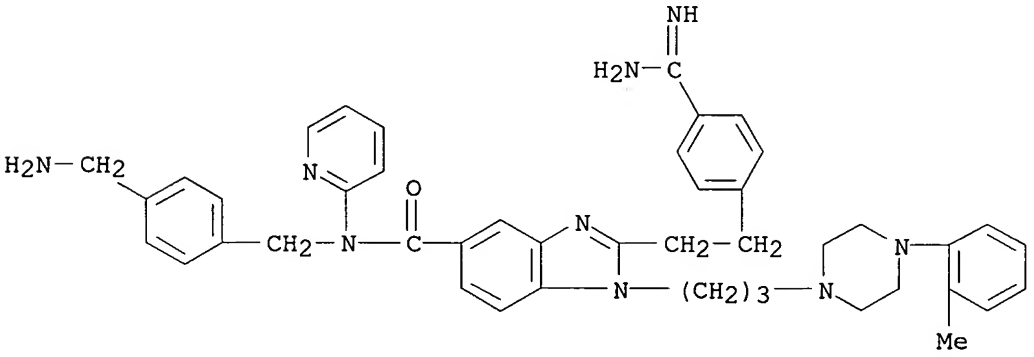
RN 326861-04-5 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[(4-methylphenyl)methyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



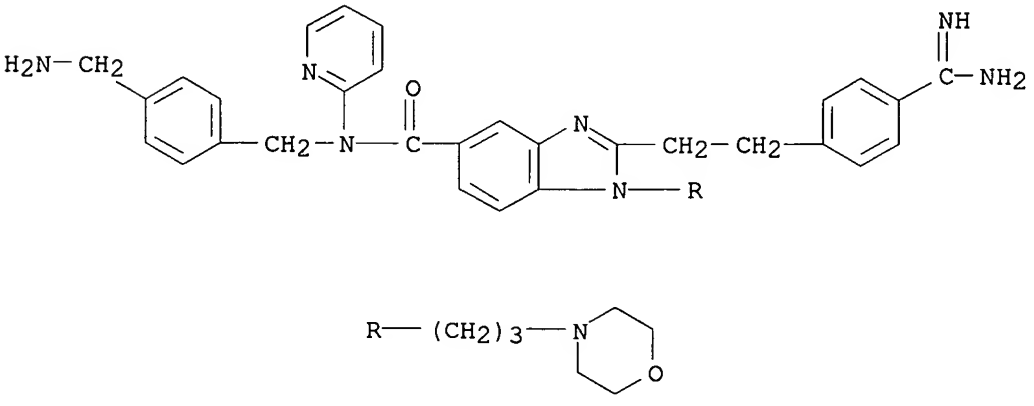
RN 326861-05-6 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(1-methyl-2-pyrrolidinyl)ethyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



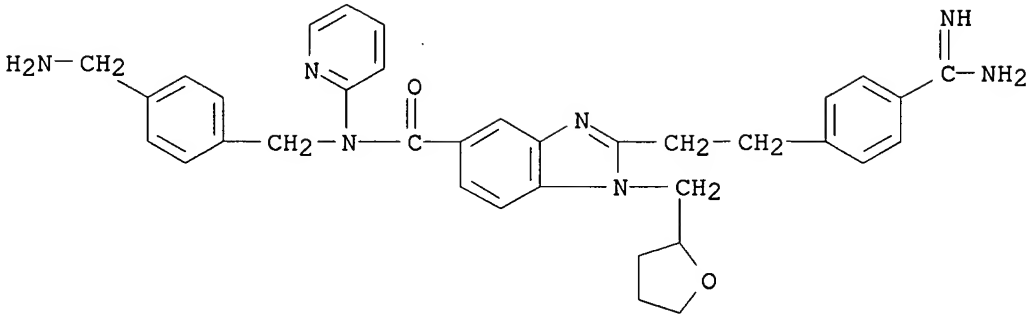
RN 326861-06-7 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[4-(2-methylphenyl)-1-piperazinyl]propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



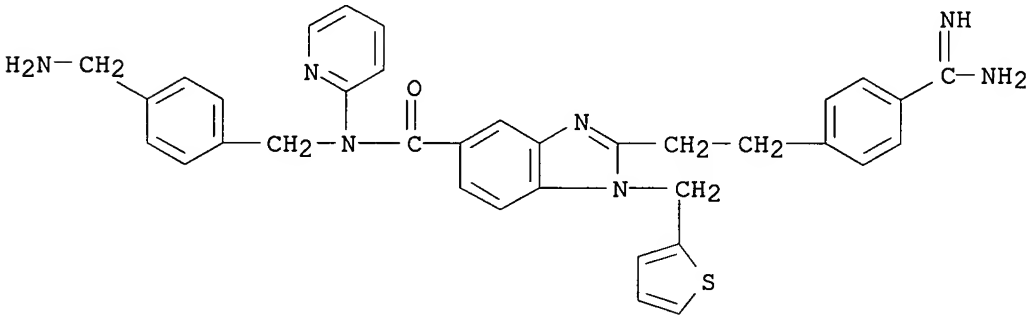
RN 326861-07-8 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(4-morpholinyl)propyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



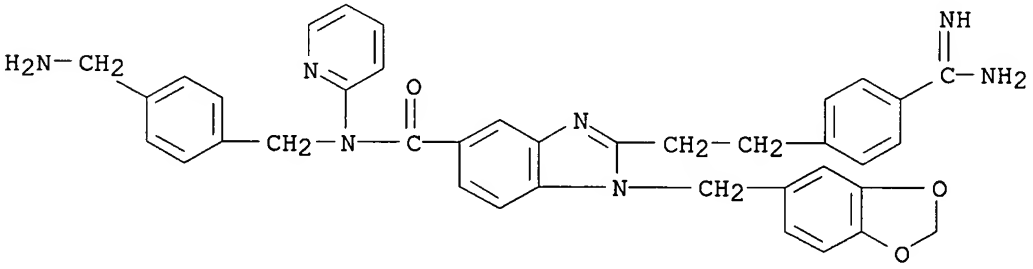
RN 326861-08-9 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-2-pyridinyl-1-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)



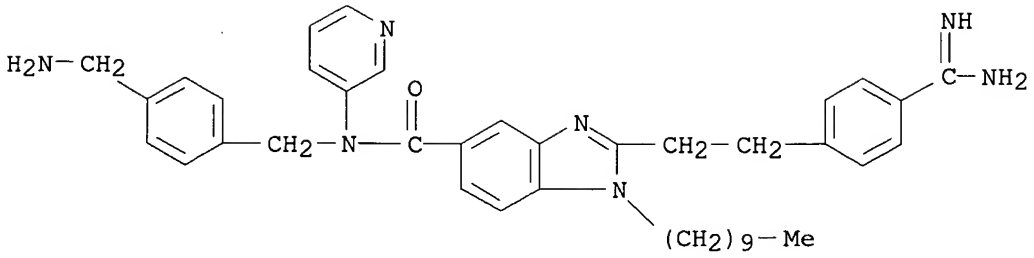
RN 326861-09-0 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-2-pyridinyl-1-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



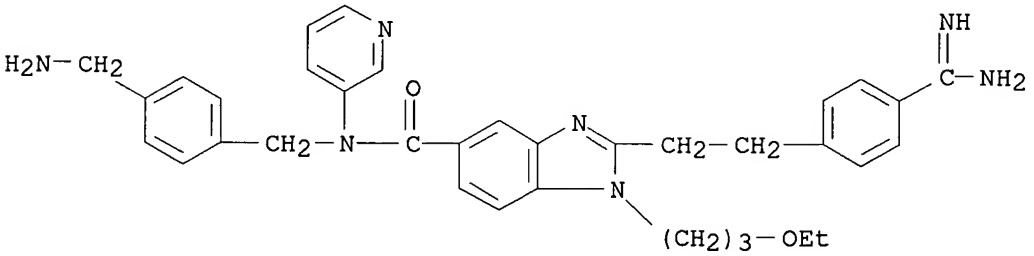
RN 326861-10-3 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(1,3-benzodioxol-5-ylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



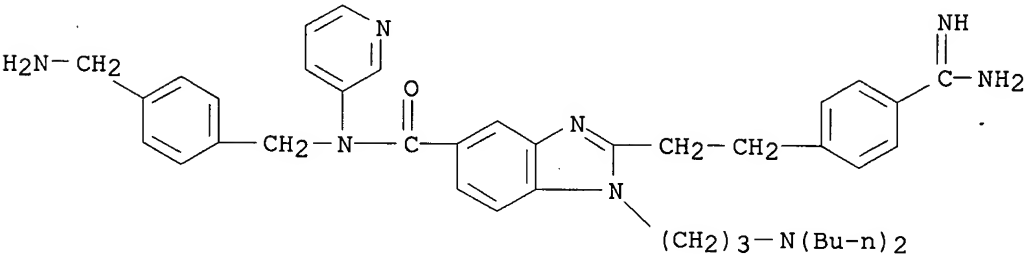
RN 326861-11-4 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-decyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 326861-12-5 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(3-ethoxypropyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)

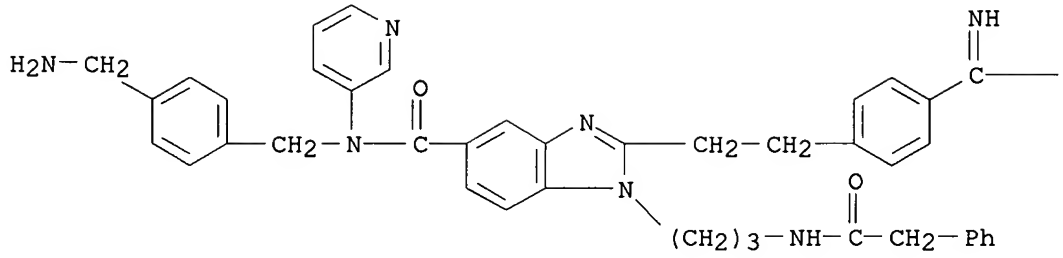


RN 326861-13-6 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(dibutylamino)propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



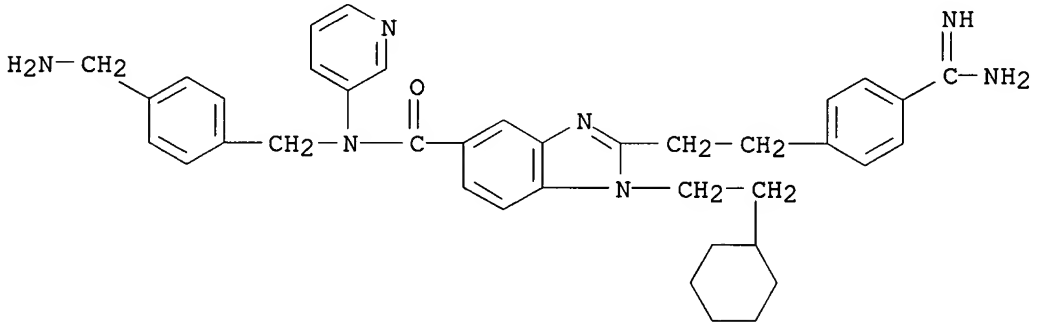
RN 326861-14-7 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[(phenylacetyl)amino]propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)

PAGE 1-A

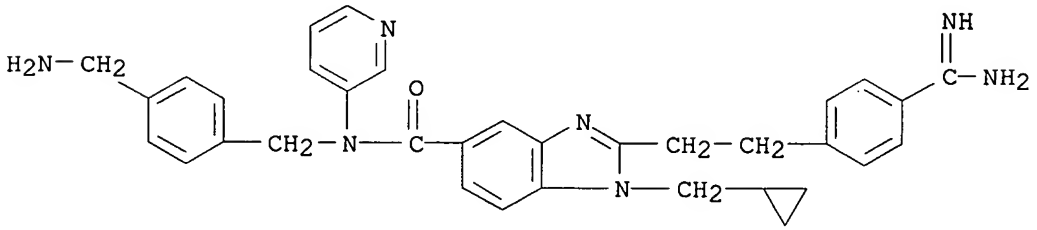


PAGE 1-B

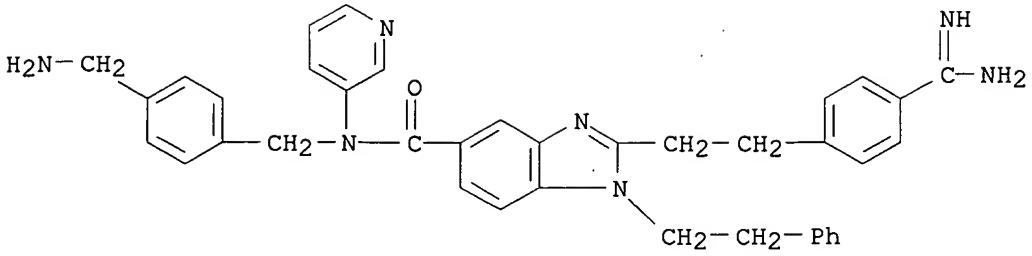
RN 326861-15-8 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-cyclohexylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



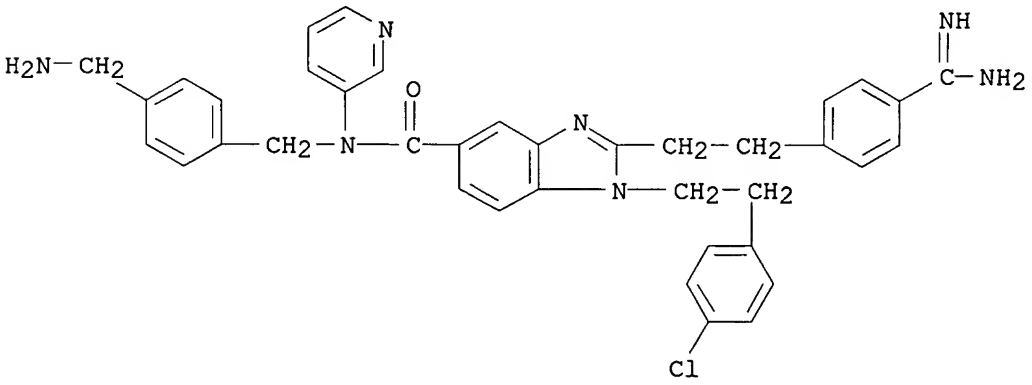
RN 326861-16-9 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(cyclopropylmethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



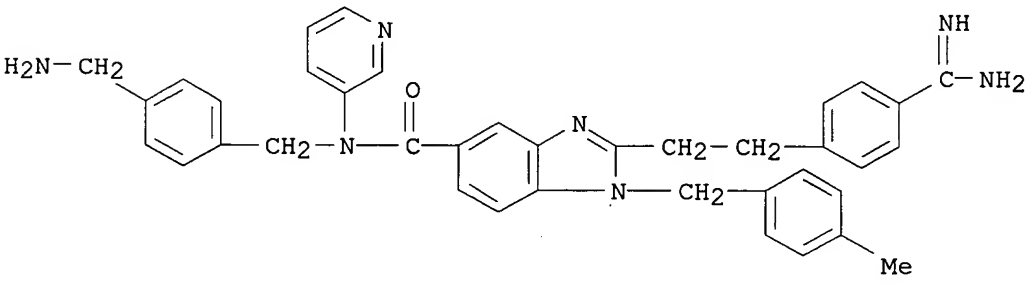
RN 326861-17-0 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(2-phenylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



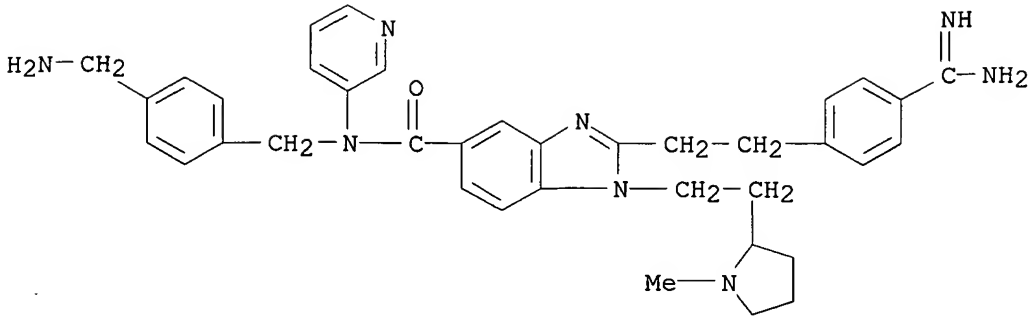
RN 326861-18-1 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(4-chlorophenyl)ethyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



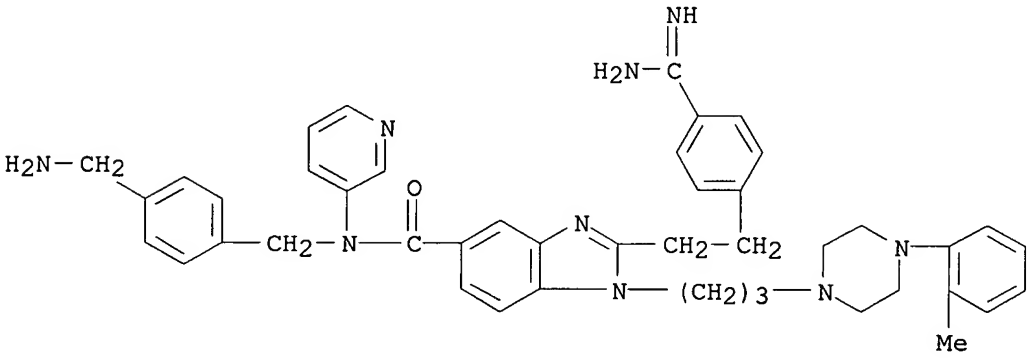
RN 326861-19-2 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[(4-methylphenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



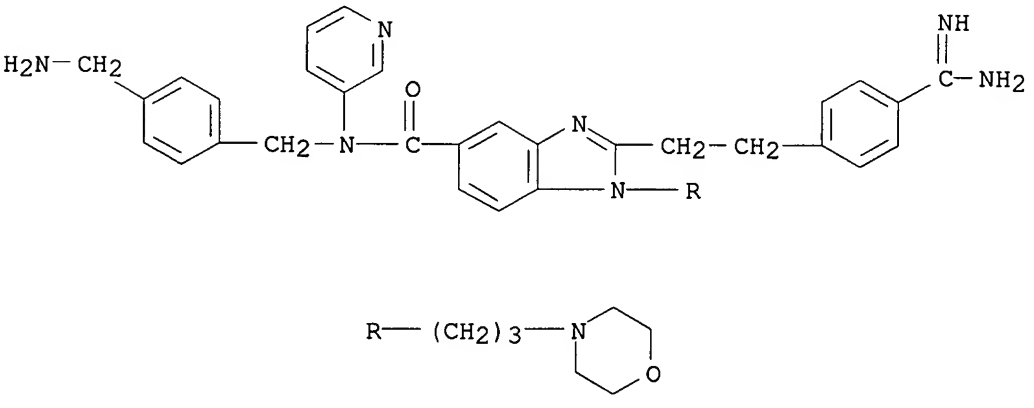
RN 326861-20-5 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[2-(1-methyl-2-pyrrolidinyl)ethyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



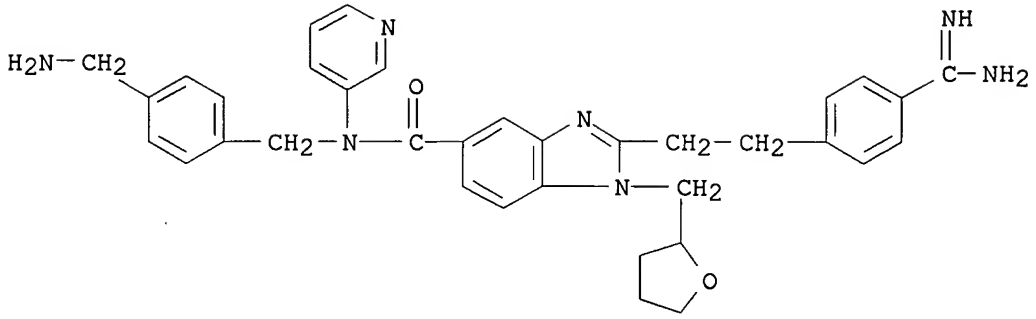
RN 326861-21-6 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-[4-(2-methylphenyl)-1-piperazinyl]propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



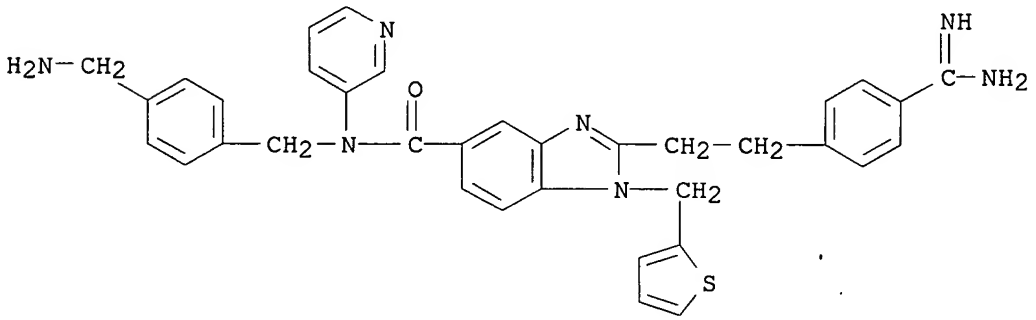
RN 326861-22-7 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-[3-(4-morpholinyl)propyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



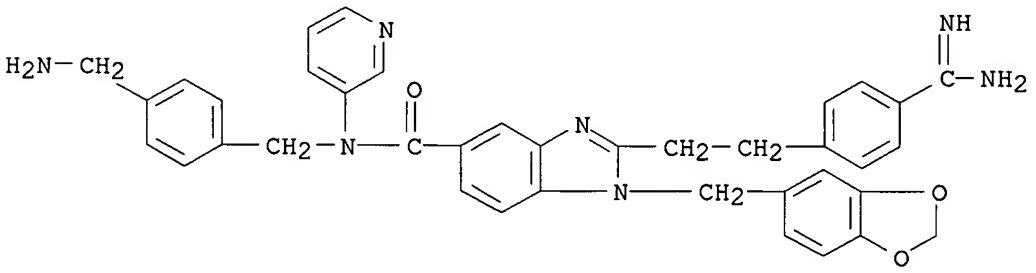
RN 326861-23-8 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-3-pyridinyl-1-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 326861-24-9 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-N-3-pyridinyl-1-(2-thienylmethyl)- (9CI) (CA INDEX NAME)



RN 326861-25-0 USPATFULL
CN 1H-Benzimidazole-5-carboxamide, 2-[2-[4-(aminoiminomethyl)phenyl]ethyl]-N-[[4-(aminomethyl)phenyl]methyl]-1-(1,3-benzodioxol-5-ylmethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



L5 ANSWER 3 OF 15 USPATFULL
ACCESSION NUMBER: 2002:338225 USPATFULL
TITLE: Inhibitors of protein isoprenyl transferases
INVENTOR(S): Sebti, Said M., Tampa, FL, UNITED STATES
Hamilton, Andrew D., Guilford, CT, UNITED STATES
Augeri, David J., Kenosha, WI, UNITED STATES
Barr, Kenneth J., Chicago, IL, UNITED STATES
Donner, Greg B., Mundelein, IL, UNITED STATES
Fakhoury, Stephen A., Mundelein, IL, UNITED STATES
O'Connor, Stephen J., Wilmette, IL, UNITED STATES

Rosenberg, Saul H., Grayslake, IL, UNITED STATES
Shen, Wang, Gurnee, IL, UNITED STATES
Szczepankiewicz, Bruce G., Lindenhurst, IL, UNITED STATES
Gunawardana, Indrani W., Libertyville, IL, UNITED STATES
PATENT ASSIGNEE(S): University of Pittsburgh, Pittsburgh, PA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002193596	A1	20021219
APPLICATION INFO.:	US 2001-984411	A1	20011030 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1997-852858, filed on 7 May 1997, ABANDONED Continuation-in-part of Ser. No. US 1996-740909, filed on 5 Nov 1996, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	US 1995-7247P	19951106 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Pillsbury Winthrop LLP, Intellectual Property Group, 1600 Tysons Boulevard, McLean, VA, 22102
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 16873

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds having the formula ##STR1##

or a pharmaceutically acceptable salt thereof wherein R.sub.1 is (a) hydrogen, (b) loweralkyl, (c) alkenyl, (d) alkoxy, (e) thioalkoxy, (f) halo, (g) haloalkyl, (h) aryl-L.sub.2--, and (i) heterocyclic-L.sub.2--; R.sub.2 is selected from

(a) ##STR2##

(b) --C(O)NH--CH(R.sub.14)--C(O)OR.sub.15, (c) ##STR3##

(d) --C(O)NH--CH(R.sub.14)--C(O)NHSO.sub.2R.sub.16 (e) --C(O)NH--CH(R.sub.14)-tetrazolyl, (f) --C(O)NH-heterocyclic, and (g) --C(O)NH--CH(R.sub.14)--C(O)NR.sub.17R.sub.18; R.sub.3 is heterocyclic, aryl, substituted or unsubstituted cycloalkyl; R.sub.4 is hydrogen, lower alkyl, haloalkyl, halogen, aryl, arylakyl, heterocyclic, or (heterocyclic)alkyl; L.sub.1 is absent or is selected from (a) --L.sub.4--N(R.sub.5)--L.sub.5--, (b) --L.sub.4--O--L.sub.5--, (c) --L.sub.4--S(O).sub.n--L.sub.5-- (d) --L.sub.4-L.sub.6--C(W)--N(R.sub.5)--L.sub.5--, (e) --L.sub.4-L.sub.6--S(O).sub.m--N(R.sub.5)--L.sub.5--, (f) --L.sub.4--N(R.sub.5)--C(W)--L.sub.7-L.sub.5--, (g) --L.sub.4--N(R.sub.5)--S(O).sub.p--L.sub.7--L.sub.5--, (h) optionally substituted alkylene, (i) optionally substituted alkenylene, and (j) optionally substituted alkynylene are inhibitors of protein isoprenyl transferases. Also disclosed are protein isoprenyl transferase inhibiting compositions and a method of inhibiting protein isoprenyl transferases.

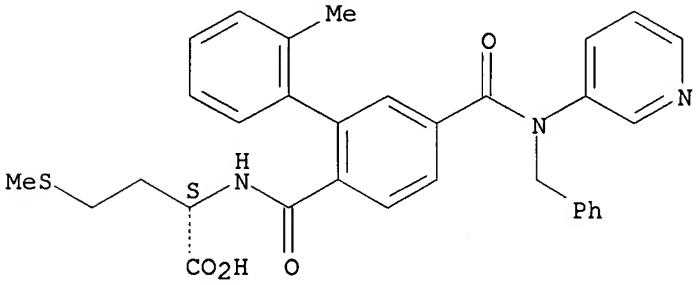
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **478908-07-5P 478908-22-4P**
(prepn. of amino acid derivs. as inhibitors of protein isoprenyl transferases)

RN 478908-07-5 USPATFULL

CN L-Methionine, N-[[2'-methyl-5-[[(phenylmethyl)-3-pyridinylamino]carbonyl][1,1'-biphenyl]-2-yl]carbonyl]-, monolithium salt (9CI) (CA INDEX NAME)

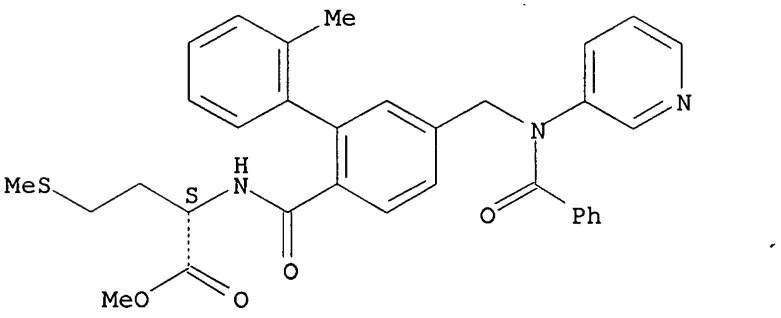
Absolute stereochemistry.



● Li

RN 478908-22-4 USPATFULL
CN L-Methionine, N-[[5-[(benzoyl-3-pyridinylamino)methyl]-2'-methyl[1,1'-biphenyl]-2-yl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 4 OF 15 USPATFULL

ACCESSION NUMBER:	2002:280831 USPATFULL
TITLE:	Amide inhibitors of microsomal triglyceride transfer protein
INVENTOR(S):	Booth, Richard John, Ann Arbor, MI, UNITED STATES Lee, Helen Tsenwhei, Ann Arbor, MI, UNITED STATES Pontrello, Jason Keith, Kalamazoo, MI, UNITED STATES Ramharack, Randy Ranjee, Ann Arbor, MI, UNITED STATES Roth, Bruce David, Plymouth, MI, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002156281	A1	20021024
APPLICATION INFO.:	US 2001-21633	A1	20011212 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1999-422568, filed on 21 Oct 1999, ABANDONED

NUMBER	DATE

PRIORITY INFORMATION: US 1998-107119P 19981105 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: James Proscia, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI, 48105
NUMBER OF CLAIMS: 44
EXEMPLARY CLAIM: 1
LINE COUNT: 1848
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

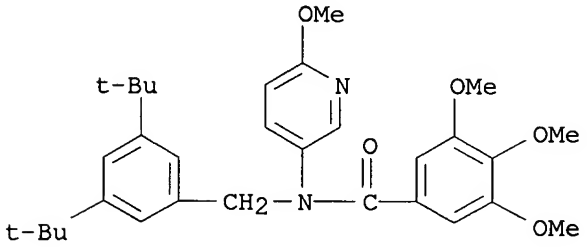
AB The present invention provides compounds having the Formula I ##STR1##

The present invention also provides pharmaceutical compositions comprising a compound of Formula I and methods of treatment of atherosclerosis, obesity, restenosis, coronary heart disease, hyperlipoproteinemia, hypercholesterolemia, and hypertriglyceridemia.

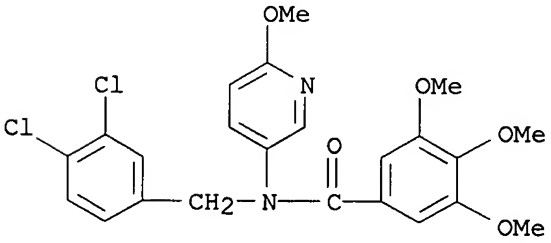
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **473741-13-8P 473741-14-9P 473741-16-1P**
473741-18-3P 473741-19-4P 473741-21-8P
473741-22-9P 473741-23-0P 473741-24-1P
473741-25-2P 473741-27-4P 473741-28-5P
473741-37-6P 473741-38-7P 473741-41-2P
473741-42-3P 473741-56-9P 473741-57-0P
473741-58-1P 473741-59-2P 473741-60-5P
473741-61-6P 473741-64-9P 473741-65-0P
473741-66-1P 473741-67-2P 473741-68-3P
473741-69-4P 473741-70-7P 473741-71-8P
(claimed compd.; prepn. of (hetero)arylamides as inhibitors of microsomal triglyceride transfer protein)

RN 473741-13-8 USPATFULL
CN Benzamide, N-[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-3,4,5-trimethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)

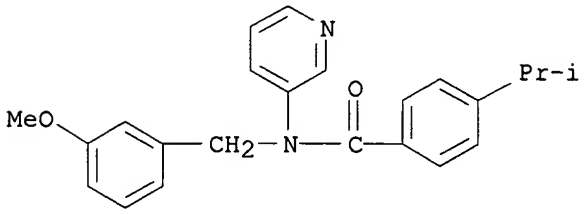


RN 473741-14-9 USPATFULL
CN Benzamide, N-[(3,4-dichlorophenyl)methyl]-3,4,5-trimethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)

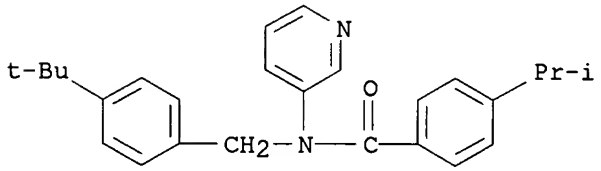


RN 473741-16-1 USPATFULL

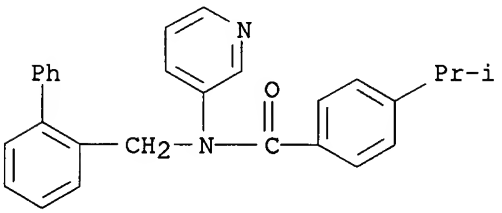
CN Benzamide, N-[(3-methoxyphenyl)methyl]-4-(1-methylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



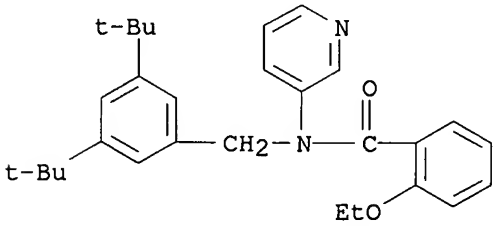
RN 473741-18-3 USPATFULL
CN Benzamide, N-[[4-(1,1-dimethylethyl)phenyl]methyl]-4-(1-methylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



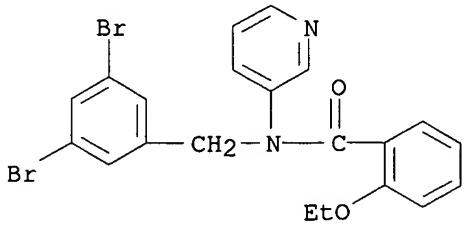
RN 473741-19-4 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-(1-methylethyl)-N-3-pyridinyl- (9CI) (CA INDEX NAME)



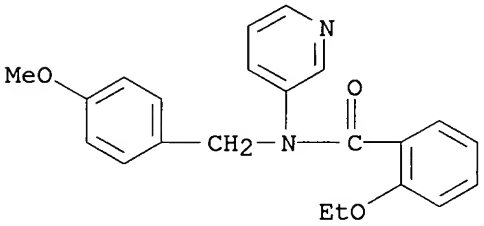
RN 473741-21-8 USPATFULL
CN Benzamide, N-[[3,5-bis(1,1-dimethylethyl)phenyl]methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



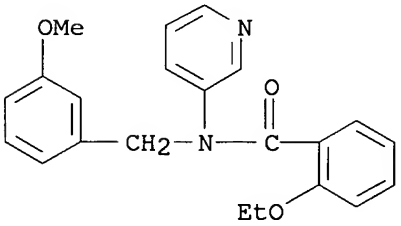
RN 473741-22-9 USPATFULL
CN Benzamide, N-[(3,5-dibromophenyl)methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



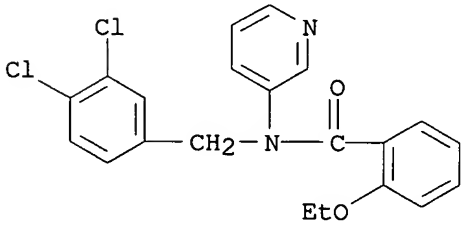
RN 473741-23-0 USPATFULL
CN Benzamide, 2-ethoxy-N-[(4-methoxyphenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



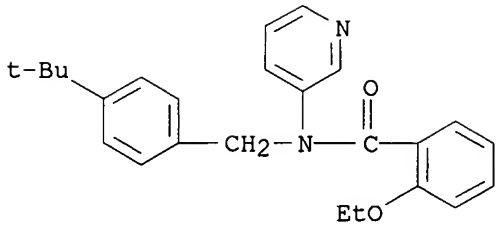
RN 473741-24-1 USPATFULL
CN Benzamide, 2-ethoxy-N-[(3-methoxyphenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



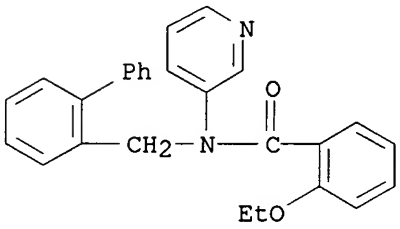
RN 473741-25-2 USPATFULL
CN Benzamide, N-[(3,4-dichlorophenyl)methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



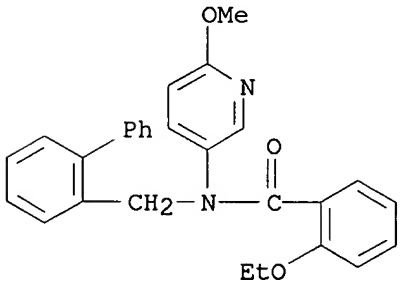
RN 473741-27-4 USPATFULL
CN Benzamide, N-[[4-(1,1-dimethylethyl)phenyl]methyl]-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



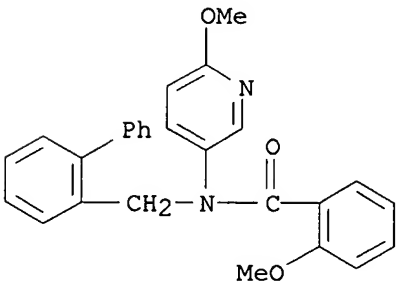
RN 473741-28-5 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-37-6 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)

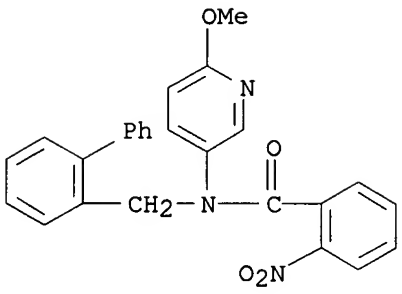


RN 473741-38-7 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-methoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)

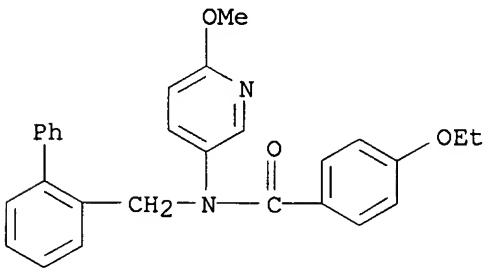


RN 473741-41-2 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-(6-methoxy-3-pyridinyl)-2-

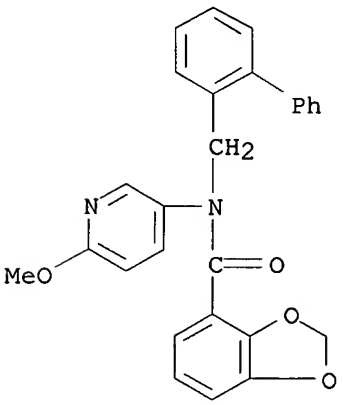
nitro- (9CI) (CA INDEX NAME)



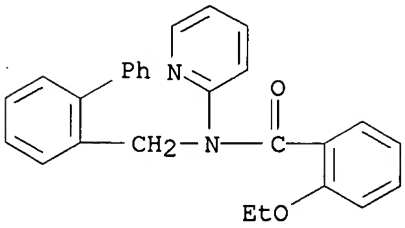
RN 473741-42-3 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-ethoxy-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



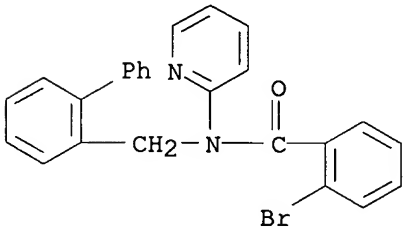
RN 473741-56-9 USPATFULL
CN 1,3-Benzodioxole-4-carboxamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-(6-methoxy-3-pyridinyl)- (9CI) (CA INDEX NAME)



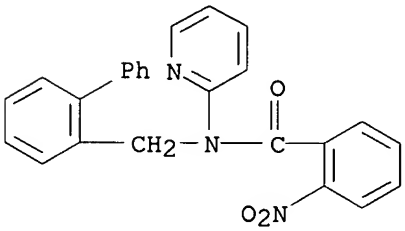
RN 473741-57-0 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-2-pyridinyl- (9CI) (CA INDEX NAME)



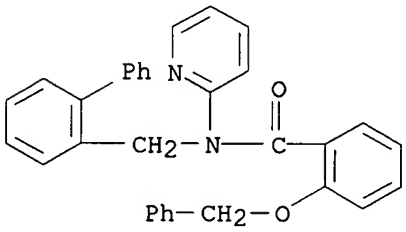
RN 473741-58-1 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-2-pyridinyl- (9CI) (CA INDEX NAME)



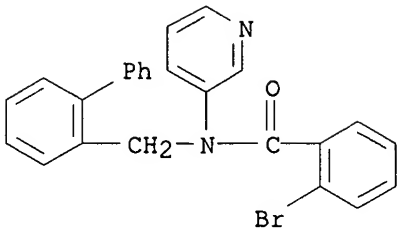
RN 473741-59-2 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-2-pyridinyl- (9CI) (CA INDEX NAME)



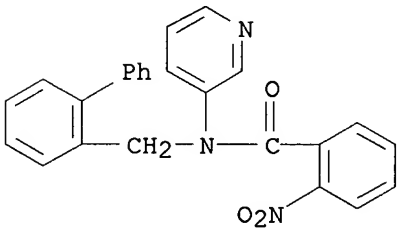
RN 473741-60-5 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-(phenylmethoxy)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



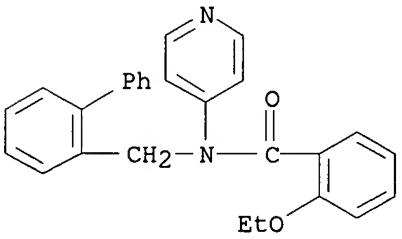
RN 473741-61-6 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-3-pyridinyl- (9CI) (CA INDEX NAME)



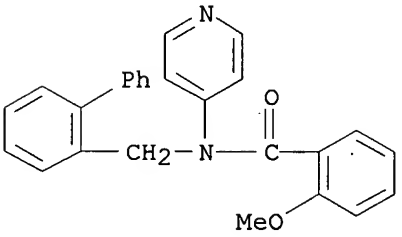
RN 473741-64-9 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-3-pyridinyl- (9CI) (CA INDEX NAME)



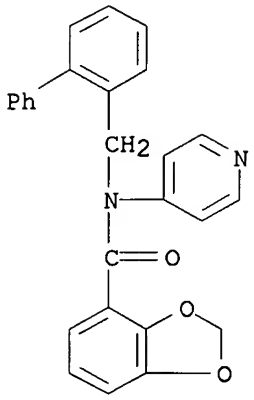
RN 473741-65-0 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-ethoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



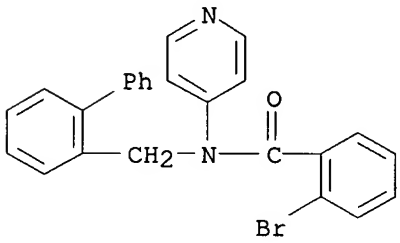
RN 473741-66-1 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-methoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



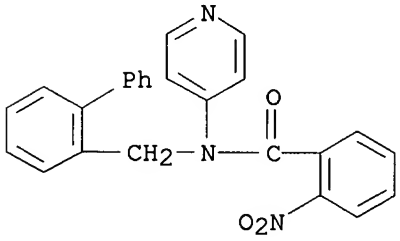
RN 473741-67-2 USPATFULL
CN 1,3-Benzodioxole-4-carboxamide, N-([1,1'-biphenyl]-2-ylmethyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



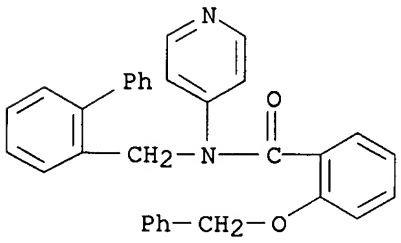
RN 473741-68-3 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-bromo-N-4-pyridinyl- (9CI) (CA INDEX NAME)



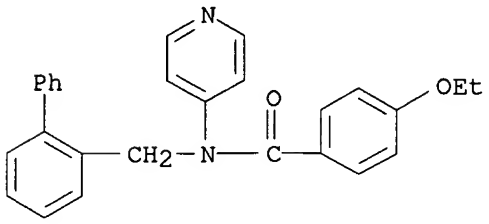
RN 473741-69-4 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-nitro-N-4-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-70-7 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-2-(phenylmethoxy)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



RN 473741-71-8 USPATFULL
CN Benzamide, N-([1,1'-biphenyl]-2-ylmethyl)-4-ethoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 15 USPATFULL

ACCESSION NUMBER:	1999:24432 USPATFULL		
TITLE:	Silver halide photographic light sensitive material		
INVENTOR(S):	Kimura, Yoko, Hino, Japan Yamada, Taketoshi, Hino, Japan Miura, Norio, Hino, Japan		
PATENT ASSIGNEE(S):	Konica Corporation, Japan (non-U.S. corporation)		
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5874206		19990223
APPLICATION INFO.:	US 1997-825113		19970327 (8)
	NUMBER		DATE
PRIORITY INFORMATION:	JP 1996-78692		19960401
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dote, Janis L.		
LEGAL REPRESENTATIVE:	Bierman, Jordan B.Bierman, Muserlian and Lucas		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1626		

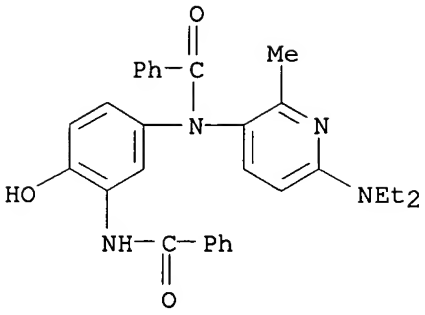
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A silver halide photographic light sensitive material is disclosed, comprising a support having thereon a silver halide emulsion layer, wherein the silver halide emulsion layer contains tabular silver halide grains having an average iodide content of 1.0% or less; the silver halide emulsion layer further containing a dye compound represented by the following formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194936-52-2**
(dye compd. for silver halide photog. light sensitive material)

RN 194936-52-2 USPATFULL
CN Benzamide, N-[3-(benzoylamino)-4-hydroxyphenyl]-N-[6-(diethylamino)-2-methyl-3-pyridinyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 6 OF 15 USPATFULL

ACCESSION NUMBER:	1998:4395 USPATFULL		
TITLE:	Silver halide photographic light sensitive material		
INVENTOR(S):	Yamada, Taketoshi, Hino, Japan Miura, Norio, Hino, Japan Kataoka, Emiko, Hino, Japan Katoh, Katsunori, Hino, Japan		
PATENT ASSIGNEE(S):	Konica Corporation, Japan (non-U.S. corporation)		
	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5707792		19980113
APPLICATION INFO.:	US 1997-791377		19970130 (8)
	NUMBER		DATE
PRIORITY INFORMATION:	JP 1996-23882		19960209
	JP 1996-245989		19960918
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Le, Hoa Van		
LEGAL REPRESENTATIVE:	Bierman, Jordan B.Bierman, Muserlian and Lucas		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1752		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

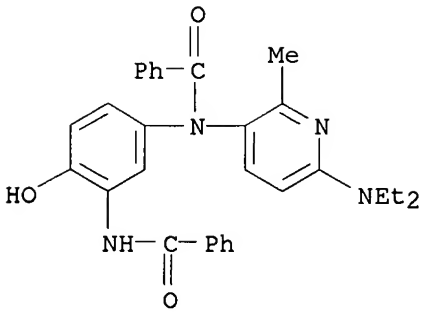
AB A silver halide photographic light sensitive material is disclosed, comprising a support having thereon photographic component layers including a silver halide emulsion layer and a light insensitive hydrophilic colloidal layer, wherein at least one of the component layers contains a leuco dye represented by the following formula. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **194936-52-2**
(in black-and-white silver halide photog. emulsions for improved storage stability and providing blue-black-toned silver images)

RN 194936-52-2 USPATFULL

CN Benzamide, N-[3-(benzoylamino)-4-hydroxyphenyl]-N-[6-(diethylamino)-2-methyl-3-pyridinyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 7 OF 15 USPATFULL

ACCESSION NUMBER:	96:99316 USPATFULL
TITLE:	2-anilinopyridine pesticides
INVENTOR(S):	Wagner, Oliver, Bexbach, Germany, Federal Republic of Eicken, Karl, Wachenheim, Germany, Federal Republic of Ammermann, Eberhard, Heppenheim, Germany, Federal Republic of Lorenz, Gisela, Neustadt, Germany, Federal Republic of
PATENT ASSIGNEE(S):	BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5569765		19961029
APPLICATION INFO.:	US 1995-422862		19950417 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-208816, filed on 11 Mar 1994, now patented, Pat. No. US 5453432		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1993-4308395	19930317

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Raymond, Richard L.
LEGAL REPRESENTATIVE:	Keil & Weinkauf
NUMBER OF CLAIMS:	3
EXEMPLARY CLAIM:	1
LINE COUNT:	1127

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for controlling pests in which the pests or the plants threatened by attack with pests are treated with a 2-anilinopyridine of the formula I ##STR1## where the substituents have the following meanings: R.sup.1 is alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, substituted cycloalkyl, alkoxy, haloalkoxy, substituted alkyl, alkenyloxy, alkynyloxy, halogen, CN, SCN, formyl, CH.dbd.NOR.sub.5, CH.dbd.NR.sub.6, CH.sub.2 NHR.sub.6

R.sup.5 is hydrogen, unsubstituted or substituted alkyl, alkenyl, alkynyl, COR.sup.7 or unsubstituted or substituted phenyl,

R.sup.6 is hydrogen, alkyl, unsubstituted or substituted cycloalkyl, alkenyl, alkynyl or unsubstituted or substituted phenyl,

R.sup.2 is alkyl, alkenyl, alkynyl, haloalkyl or cycloalkyl

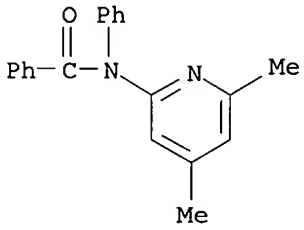
R.sup.3 is hydrogen, CN, S(O).sub.n R.sup.8 or COR.sup.9,

R.sup.8 is alkyl or substituted phenyl,

R.sup.9 is hydrogen, alkyl, haloalkyl, cycloalkyl, phenyl or benzyl,

R.sup.4 is hydrogen, halogen, alkyl, haloalkyl, alkoxy or haloalkoxy or cyano, and 2-anilinopyridines and also use of the compounds for the production of pesticides are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **73295-34-8**
(claimed compd.; prepn. as agrochem. pesticide and fungicide)
RN 73295-34-8 USPATFULL
CN Benzamide, N-(4,6-dimethyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 15 USPATFULL
ACCESSION NUMBER: 95:86436 USPATFULL
TITLE: Method of controlling pests
INVENTOR(S): Wagner, Oliver, Bexbach, Germany, Federal Republic of
Eicken, Karl, Wachenheim, Germany, Federal Republic of
Ammermann, Eberhard, Heppenheim, Germany, Federal Republic of
Lorenz, Gisela, Neustadt, Germany, Federal Republic of
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5453432		19950926	
APPLICATION INFO.:	US 1994-208816		19940311	(8)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1993-4308395	19930317

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Allen J.
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
LINE COUNT: 1123
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A process for controlling pests in which the pests or the plants threatened by attack with pests are treated with a 2-anilinopyridine of the formula I ##STR1## where the substituents have the following meanings: R.sup.1 is alkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, substituted cycloalkyl, alkoxy, haloalkoxy, substituted alkyl, alkenyloxy, alkynyloxy, halogen, CN, SCN, formyl, CH.dbd.NOR.sub.5, CH.dbd.NR.sub.6, CH.sub.2 NHR.sub.6

R.sup.5 is hydrogen, unsubstituted or substituted alkyl, alkenyl, alkynyl, COR.sup.7 or unsubstituted or substituted phenyl,

R.sup.6 is hydrogen, alkyl, unsubstituted or substituted cycloalkyl, alkenyl, alkynyl or unsubstituted or substituted phenyl,

R.sup.2 is alkyl, alkenyl, alkynyl, haloalkyl or cycloalkyl

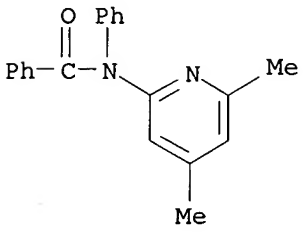
R.sup.3 is hydrogen CN, S(O).sub.n R.sup.8 or COR.sup.9,

R.sup.8 is alkyl or substituted phenyl,

R.sup.9 is hydrogen, alkyl, haloalkyl, cycloalkyl, phenyl or benzyl,

R.sup.4 is hydrogen, halogen, alkyl, haloalkyl, alkoxy or haloalkoxy or cyano, and 2-anilinopyridines and also use of the compounds for the production of pesticides are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **73295-34-8**
(claimed compd.; prepn. as agrochem. pesticide and fungicide)
RN 73295-34-8 USPATFULL
CN Benzamide, N-(4,6-dimethyl-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



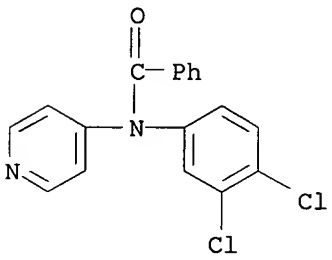
L5 ANSWER 9 OF 15 USPATFULL
ACCESSION NUMBER: 89:65101 USPATFULL
TITLE: Method of treating senile cognitive decline with N'-substituted aminopyridine adrenergic agents
INVENTOR(S): Kester, Jeffrey A., Ann Arbor, MI, United States
Moos, Walter H., Ann Arbor, MI, United States
Thomas, Anthony J., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4855308		19890808	
APPLICATION INFO.:	US 1987-128831		19871204	(7)

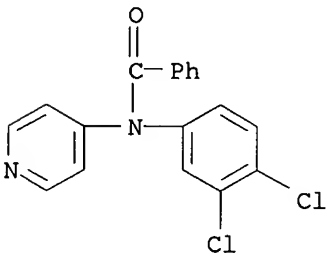
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lee, Mary C.
ASSISTANT EXAMINER: Northington, Zinna
LEGAL REPRESENTATIVE: Daignault, Ronald A.
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
LINE COUNT: 574
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method is disclosed for the treatment or amelioration of the symptoms

of cerebral insufficiency characterized by decreased central adrenergic and/or cholinergic function employing certain N-substituted aminopyridines.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **124705-32-4**
(cognitive decline symptoms treatment with)
RN 124705-32-4 USPATFULL
CN Benzamide, N-(3,4-dichlorophenyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



IT **124705-32-4P**
(prepn. of, for cognitive decline symptoms treatment)
RN 124705-32-4 USPATFULL
CN Benzamide, N-(3,4-dichlorophenyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



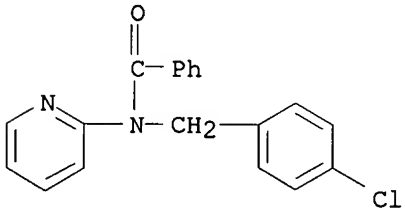
L5 ANSWER 10 OF 15 USPATFULL
ACCESSION NUMBER: 84:19914 USPATFULL
TITLE: N-Pyrazinyl-N-benzylcarbamates, having fungicidal and plant growth regulating properties
INVENTOR(S): Ten Haken, Pieter, Eastling, Nr. Faversham, England
Webb, Shirley B., Sheldwich, Nr. Faversham, England
PATENT ASSIGNEE(S): Shell Oil Company, Houston, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4441912		19840410
APPLICATION INFO.:	US 1982-403943		19820730 (6)
RELATED APPLN. INFO.:	Division of Ser. No. US 1981-269174, filed on 2 Jun 1981, now patented, Pat. No. US 4359576 which is a continuation-in-part of Ser. No. US 1980-164975, filed on 1 Jul 1980, now abandoned		

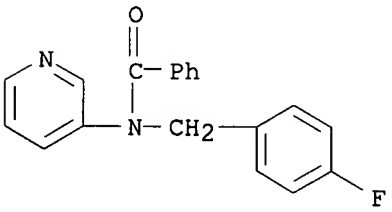
	NUMBER	DATE
PRIORITY INFORMATION:	GB 1979-25164	19790719

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Berch, Mark L.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
LINE COUNT: 446
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Certain N-(2-pyrazinyl)-N-benzylcarbamates, having fungicidal and plant-growth regulating properties.

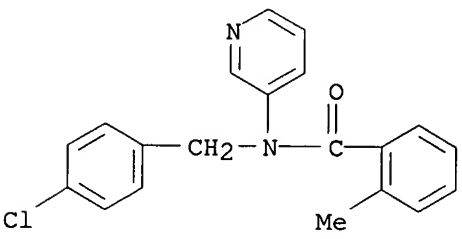
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **78675-28-2P**
(prepn. and fungicidal activity of)
RN 78675-28-2 USPATFULL
CN Benzamide, N-[(4-chlorophenyl)methyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



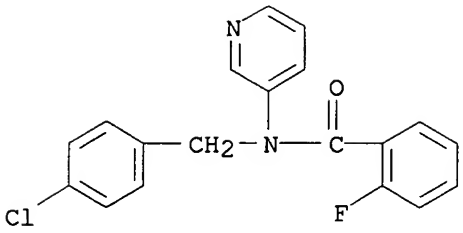
IT **78675-37-3P 78675-58-8P 78675-61-3P**
(prepn. and fungicidal and herbicidal activity of)
RN 78675-37-3 USPATFULL
CN Benzamide, N-[(4-fluorophenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



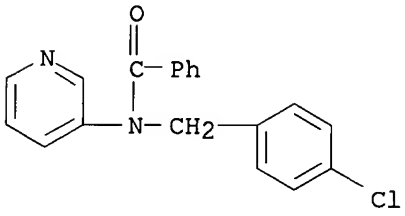
RN 78675-58-8 USPATFULL
CN Benzamide, N-[(4-chlorophenyl)methyl]-2-methyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 78675-61-3 USPATFULL
CN Benzamide, N-[(4-chlorophenyl)methyl]-2-fluoro-N-3-pyridinyl- (9CI) (CA INDEX NAME)



IT **78675-30-6P**
(prepn. and herbicidal activity of)
RN 78675-30-6 USPATFULL
CN Benzamide, N-[(4-chlorophenyl)methyl]-N-3-pyridinyl- (9CI) (CA INDEX NAME)



L5 ANSWER 11 OF 15 USPATFULL

ACCESSION NUMBER:	76:30767 USPATFULL
TITLE:	Substituted N-arylanilines
INVENTOR(S):	Schulenberg, John W., Bethlehem, NY, United States
PATENT ASSIGNEE(S):	Sterling Drug Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3960886		19760601
APPLICATION INFO.:	US 1970-91515		19701120 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1968-742161, filed on 3 Jul 1968, now patented, Pat. No. US 3625972		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Todd, G. Thomas		
LEGAL REPRESENTATIVE:	Johnson, Thomas L., Wyatt, B. Woodrow		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1392		

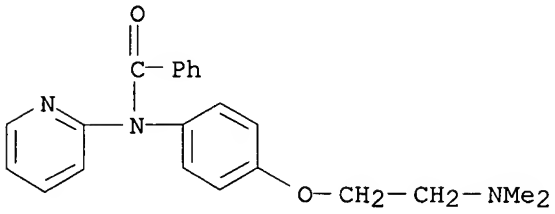
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB N-Arylanilines, further substituted on nitrogen by aroyl, aralkanoyl or aralkyl groups, and wherein one of the aryl groups has a 3- or 4-(aminoalkoxy)substituent, having hypocholesteremic activity, are prepared by a series of O-alkylation, N-acylation or -alkylation, and reduction reactions starting from the appropriate hydroxydiarylamines or benzyl ethers thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **60709-75-3P**
(prepn. of)
RN 60709-75-3 USPATFULL

CN Benzamide, N-[4-[2-(dimethylamino)ethoxy]phenyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



L5 ANSWER 12 OF 15 USPATFULL

ACCESSION NUMBER:	74:51465 USPATFULL
TITLE:	3-SUBSTITUTED-2-PYRIDONES IN THE TREATMENT OF PAIN, FEVER OR INFLAMMATION
INVENTOR(S):	Shen, Tsung-Ying, Westfield, NJ, United States Walford, Gordon L., Westfield, NJ, United States Witzel, Bruce E., Westfield, NJ, United States
PATENT ASSIGNEE(S):	Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3846553		19741105
APPLICATION INFO.:	US 1971-172319		19710816 (5)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1969-881922, filed on 3 Dec 1969, now abandoned

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Friedman, Stanley J.
LEGAL REPRESENTATIVE:	Westlake, Jr., Harry E., Monaco, Mario A., Nicholson, William H.
NUMBER OF CLAIMS:	8
EXEMPLARY CLAIM:	1
LINE COUNT:	1208

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

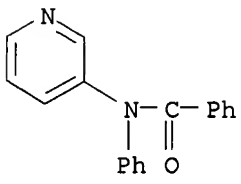
AB Novel 3-substituted-2-pyridone and 3-substituted-2-thiopyridone compounds are disclosed and the processes for preparing the same are described. These compounds exhibit anti-inflammatory properties and also possess an effective degree of anti-pyretic and analgesic activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **32967-16-1P 32967-17-2P 33189-60-5P**
(prepn. of)

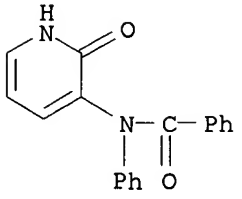
RN 32967-16-1 USPATFULL

CN Benzamide, N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)

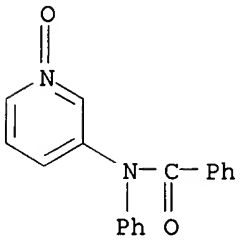


RN 32967-17-2 USPATFULL

CN Benzanilide, N-(1,2-dihydro-2-oxo-3-pyridyl)- (8CI) (CA INDEX NAME)



RN 33189-60-5 USPATFULL
CN Benzamide, N-(1-oxido-3-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 15 USPATFULL

ACCESSION NUMBER:	71:46475 USPATFULL
TITLE:	N-PHENYLBENZANILIDES
INVENTOR(S):	Schulenberg, John W., Bethlehem, NY, United States
PATENT ASSIGNEE(S):	Sterling Drug Inc., New York, NY, United States

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 3625972		19711207	
APPLICATION INFO.:	US 1968-742161		19680703	(4)

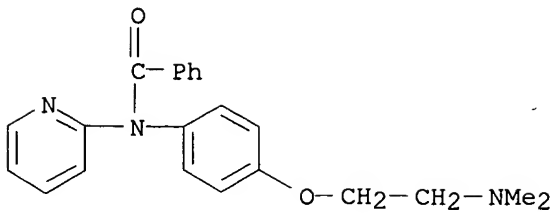
DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Jiles, Henry R.
ASSISTANT EXAMINER:	Moatz, Harry I.
LEGAL REPRESENTATIVE:	Lawson; Elmer J., Wyatt; B. Woodrow, Johnson; Thomas L., Bair; Robert K., Bourgeois; R. Clifford, Webb; William G., Wolfe; Roger T.
NUMBER OF CLAIMS:	9
LINE COUNT:	1344

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB N-Arylanilines, further substituted on nitrogen by aroyl, aralkanoyl or aralkyl groups, and wherein one of the aryl groups has a 3-- or 4--(aminoalkoxy)substituent, having hypocholesteremic activity, are prepared by a series of O-alkylation, N-acylation or -alkylation, and reduction reactions starting from the appropriate hydroxydiarylamines or benzyl ethers thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **60709-75-3P**
(prepn. of)
RN 60709-75-3 USPATFULL
CN Benzamide, N-[4-[2-(dimethylamino)ethoxy]phenyl]-N-2-pyridinyl- (9CI) (CA INDEX NAME)



L5 ANSWER 14 OF 15 USPATFULL

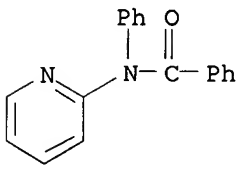
ACCESSION NUMBER:	71:44979 USPATFULL
TITLE:	A PROCESS FOR PRODUCING CERTAIN AMIDE DERIVATIVES OF PYRIDINE AND REDUCING SAID AMIDES TO CORRESPONDING AMINES
INVENTOR(S):	Abramovitch, Rudolph A., Tuscaloosa, AL, United States Singer, George M., Tuscaloosa, AL, United States
PATENT ASSIGNEE(S):	Warner-Lambert Company, Morris Plains, NJ, United States

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 3624096		19711130	
APPLICATION INFO.:	US 1969-837325		19690627	(4)

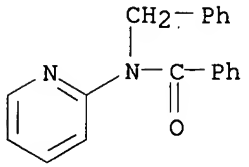
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rotman, Alan L.
LEGAL REPRESENTATIVE: Graddis; Albert H., Millson, Jr.; Henry E., Chow; Frank S., Edwards; Neil D., Kelly; Anne M.
NUMBER OF CLAIMS: 7
LINE COUNT: 416
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process is described for the alkylamination or arylamination of five- or six-membered heteroaromatic N-oxides. In the process, a five- or six-membered heteroaromatic N-oxide and an appropriately substituted imidoyl chloride or imidoyl bromide or a nitrilium salt derived therefrom, are heated in an inert polar solvent at reflux temperature for a period of time sufficient to bring the reaction to completion. The amide reaction product, which is thus obtained, is subsequently converted to the amine by conventional hydrolysis procedures.

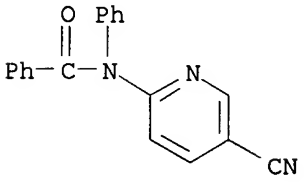
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **20107-78-2P 24244-29-9P 34941-75-8P**
(prepn. of)
RN 20107-78-2 USPATFULL
CN Benzamide, N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 24244-29-9 USPATFULL
CN Benzamide, N-(phenylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



RN 34941-75-8 USPATFULL
CN Benzamide, N-(5-cyano-2-pyridinyl)-N-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 15 OF 15 USPAT2

ACCESSION NUMBER:	2003:38215 USPAT2
TITLE:	Amino- and amido-diphenyl ethers
INVENTOR(S):	Haning, Helmut, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Pernerstorfer, Josef, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Schmidt, Gunter, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Woltering, Michael, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Bischoff, Hilmar, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Vohringer, Verena, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Kretschmer, Axel, Wuppertal, GERMANY, FEDERAL REPUBLIC OF Faeste, Christiane, Haan, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S):	Bayer Aktiengesellschaft, Leverkusen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6555580	B2	20030429	
APPLICATION INFO.:	US 2001-918741		20010731	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2000-10038007	20000804

DOCUMENT TYPE:	Utility
FILE SEGMENT:	GRANTED
PRIMARY EXAMINER:	McKane, Joseph K.
ASSISTANT EXAMINER:	Saeed, Kamal
LEGAL REPRESENTATIVE:	Chiu, Jerrie L.
NUMBER OF CLAIMS:	8
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT:	1618

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to novel amino- and amido-diphenyl ethers,

processes for their preparation and their use in pharmaceuticals, in particular for the indications of arteriosclerosis and hypercholesterolaemia.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **398523-54-1P**
(prepn. of di-Ph ether amides, oxamides, and ureas for treatment of arteriosclerosis and hypercholesterolemia)

RN 398523-54-1 USPAT2

CN Acetic acid, [[4-[3-[(benzoyl-2-pyridinylamino)methyl]-4-hydroxyphenoxy]-3,5-dimethylphenyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)